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<210> 9180

<211> 348

<212> DNA

<213> Homo sapiens

<400> 9180

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gtcaccaagg cctataggga acaatgggga ggggcgggct tgggtgatg cangaagact 300
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<210> 9181

<211> 532

<212> DNA

<213> Homo sapiens

<400> 9181

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 ganctgctcc ggcttcctgt tgtgtggtaa gggaacttca ntgtgctatg ctcttaaaaa 480
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<211> 322

<212> DNA

<213> Homo sapiens

<400> 9182

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 tcattttttg ctatgcttga ttttaagtcca aactttaatg tgattttaat ctattgcata 240
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 ggcccnaacc cncnaatctc ct 322

<210> 9183

<211> 407

<212> DNA

<213> Homo sapiens

<400> 9183

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 atatataaat atgttgcaaa tcttggaac cttttaggtg tgatggctgc tcaggcaaac 180
 catggagcaa gattggaaat aataatggtc tgcatacatc ctcccatagg cagtgaacaa 240
 ggttggccac attgactcta ttatgactga gacagtggca aattttactt ggttccccan 300

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aatccaaata ttcnatctt aatatgttat tatggtatta aaaanct 407

<210> 9184

<211> 511

<212> DNA

<213> Homo sapiens

<400> 9184

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<210> 9185

<211> 466

<212> DNA

<213> Homo sapiens

<400> 9185

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caaaaggaga gagttgcaca gttggcaaag gctcagatga ggaaataaac aaataaaaaat 180
gcttttcttc aatgtctggg acccactttg ctttctcaag aaaggccgaa aaccagtcaa 240

ctgcgtgaca ctttgtcttc tccttctatg cctttcgtgt cctattgctg aatggaaaaa	300
cccgcacagta tcttttccca gtgggccctt ggatttatgc tgcaacttaa ctactaaga	360
ttgtgtgttt cagtaccacg gtgattcctt actcttgtct tgatgctgta gacctgtatc	420
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<210> 9186

<211> 448

<212> DNA

<213> Homo sapiens

<400> 9186

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ccatgcccag ctaatttttg tatttttagt aaanatggga tttcaccatg ttggccaggc	180
tgctctcaaa ttccttacct caggtgatct gcctgcccag gcctcccgaa atgctggggt	240
tacagcgtga gccgctgtgc ccggcccagc cacttcttct tattggagtg tgagcactag	300
gagcagggac ctttccatgg tgcttgctgt gttataacct gcaccagaa cttagtaagc	360
gttcaaacia aattttttaa aataaatgga agaacnaatt aanaaacctc ccggtnaatt	420
cttaaancgt tcccacaaca gggaaatn	448

<210> 9187

<211> 346

<212> DNA

<213> Homo sapiens

<400> 9187

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tccagaaaag tagtcagcaa gggcagaggc ccaggagacag cagtgggaag agcaggggcgc	180

cttaggtgtg gtgctccagc gcaccctggg ccagtgtgc caggaagaac tgccagccct 240
 tggccagtga cagtgggtgcc tcctgcagct cccgccacag gaatgggctg ccaangagcg 300
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<210> 9188

<211> 309

<212> DNA

<213> Homo sapiens

○ <400> 9188

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 aattatattg attttttagga tttaacagct gaaaaaaccc tttctgcttc cactggaggc 180
 aaaactgaac aaaatgttag ttaaatanaa agagcagcat ttctaanaaa tctgtgggtca 240
 gcattatana ccatctatgc tacaagggat ntcnttaaat aggatttggt caattactgg 300
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<210> 9189

<211> 257

○ <212> DNA

<213> Homo sapiens

<400> 9189

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 ctataggcac gtaccaccac acccggctaa ttgataaata atttttataa acttaaaaac 180
 ccttctcctt gttaccgcaa atcacaaact ttaaangtcc ancaataaac nctgtccaaa 240
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<210> 9190

<211> 524

<212> DNA

<213> Homo sapiens

<400> 9190

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aagggaccga gtttaacattt caggtggcca aggctctcct tggaagctgt naaccaagac 360
tgaaggctna ttactcttt ctgtcctgca aatctgcttt gatatggaac aatacccatg 420
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<210> 9191

<211> 561

<212> DNA

<213> Homo sapiens

<400> 9191

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acacattaca caaaattaaa gacttgtgca tatatttgat ttcaacatta atgtcaaaaa 120
tacatagtat gattttacat aggatttggt ctacattaga aactagana caaacatcac 180
ttgagtatta aggaaaacat taaatattaa ataactgana aaatgtgtna acactaatct 240
aactgggggt ttgctattg caacatgtcc aatgaagtgg tttcaacagt acaaaaagga 300
ttaggacatg agtttttcca gtctacatgg aatatatgga tttcatttca ggaatccttt 360
cataaaaact ggtccaggat aacagganaa aatcncnct cctgattggt taatttggtta 420
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cctccattct atgctaattt ttacttgcca acttgggttc tgagtaatac ttnaatcacc 480
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 tatgncccc ctttcacccc c 561

<210> 9192

<211> 408

<212> DNA

<213> Homo sapiens

○ <400> 9192

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 tccaaaaggg aaaacttata gtcaagaaaa acctcacttg tttttgcac aaccaatttt 120
 cctgtttacc tatagctagg tgtatctgtg cacatcactt aattacttag gantanataa 180
 tgggttcatt tagtttcatt ctccatccc taacacttta tactcaagga actgatctct 240
 gccttttgcc gtttaaggag ggttttcccta atatggtttc tgatgcaact actacgttgg 300
 atttatttga tcccttcgga attcaacccc cttttaana ntcaatgcag taaaananc 360
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○ <210> 9193

<211> 559

<212> DNA

<213> Homo sapiens

<400> 9193

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 tgtttatttt taaacaaaca ctcaaaaat ttaataaaca tgtntaaagc actatactgt 180
 gccaggcatt gttagcaact gggaatatgg gaatgcatga aactagtcc tgcccttgan 240
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gattctggaa agcattgcgt acctgagccc ccancatggc gggcctaaag cggcgggcaa	360
nccaagtgtg gccanaaaaa catggtgagc aagaacatgg gctgtacanc ctgcaccgca	420
tgtttganat cctgggcctc ntctgacaca caaaaatgtt cgcgtgcttc cttccccttg	480
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<210> 9194

<211> 559

<212> DNA

<213> Homo sapiens

<400> 9194

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actacaggcg cctgccacca cgcccagcca attttttgca tcttcagtan agacagggt	180
tcaccatgtt ggccaggctg gtctcgaact cctgacctca tgattcaccc acctcagcct	240
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aaaccaatth ttcaggtata acataagatt tctanccaaa ggaaaattht gttgtattaa	360
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atgctagatt tagatgccna taaatgccca atttgaattg aaaacatctt ttacctccca	480
ataattatgc cntaaaattg aatgaacccc ncccataacc aaaatcccct tctttnnatt	540
tttaattaat ttnaaatth	559

<210> 9195

<211> 227

<212> DNA

<213> Homo sapiens

<400> 9195

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cagcttggcc atttcctgca catagatgcc tatactctcg ctgtcaaaaa gcacgaagta	120
caccgttttg atggaagang acattgtana cacgaantaa ctggagatgg ccttcagaat	180
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<210> 9196

<211> 569

<212> DNA

<213> Homo sapiens

<400> 9196

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tgagtttatac aggctatctc agccttatac atgttctctc antgtatgct tttcggccac	180
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gcattcaciaa ggtttctgtc ctgtgcaaat ccactgttat ctctgaggc tgcacatctg	360
accactggct gtcccacaaa gactacgttc ctgtttgcga agangccgct aatgtttaat	420
gatgtctgan gggccacaaa aagcacttgt gttatcccc cgttagcaaa atttttctcc	480
tgcattgacat cactggtgtg ttatganctg tgccnctctg ccaggaagan ttccccctg	540
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<210> 9197

<211> 263

<212> DNA

<213> Homo sapiens

<400> 9197

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ttatgacana atgaactgaa aacacnaaca gttttgaaaa ttctcttttc agcctacttc	180
caaataaaaa tagtcaggct tttncctgt acatagtttg atgctttgtc tataccatat	240
atantanaaa aataaattct tta	263

<210> 9198

<211> 443

<212> DNA

<213> Homo sapiens

<400> 9198

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gacataaaaa agctgttttt cccccactaa attgccatga ctttgtactt ataaagtcta	120
ctaaattata ttcaaaaagt gtgtataact gtaccatitt cgttaaaata ttgtgtaaaa	180
aaaagtttgg gggaatatat aacaaataat taactgtaga tccctctggg tgtaaanatt	240
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gcattatgtg tgcagaaaaa attaaaatac ataaacgtta agaaacatga aaaaatgata	360
agtcctaatac atgcaattaa aactggcngg acctattttc ccataattaa tgnccnaaaa	420
cggtncagtg aaaagttttc cnc	443

<210> 9199

<211> 367

<212> DNA

<213> Homo sapiens

<400> 9199

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gtcaggattt tctttanaaa tacactgggc tgggtctaatt tatttaagca ggagcacttt	180

aaagtatccc accctacccc attccacccc cagtggacag aaaggaaatt gactgacttg 240
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<210> 9200

<211> 548

<212> DNA

<213> Homo sapiens

<400> 9200

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<210> 9201

<211> 541

<212> DNA

<213> Homo sapiens

<400> 9201

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<210> 9202

<211> 439

<212> DNA

<213> Homo sapiens

<400> 9202

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 tttttgtttt tgttttngaa ttggaatttt gctctgttgc caanctggaa tcantggcnc 420
 gggccccggt cantggcaa 439

<210> 9203

<211> 441

<212> DNA

<213> Homo sapiens

<400> 9203

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accagaatg acaccagcca cacttgtagac tggcananat aacctctttg accttcagca	180
attttaaaag ttcttcatcc taatttctga gtatcataaa aagtaaaaag tactttcatt	240
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tttttataag catagtantt atatgtcaat ttacttaaaa ttaganaggg aaaccccana	360
nacctgaagt ggcaactgcc atccactgaa aggcccatat aaatagggtc tcatgtttca	420
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<210> 9204

<211> 379

<212> DNA

<213> Homo sapiens

<400> 9204

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atcaactaac ttactggctc tcatttcacc tgataacata anaccctccc cgctgactac	180
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tgggactcac cgcagttttc ctgactctga tggaatgtgc tggantctat tacgaaacn	300
gcttttccaa aagggtgtca acaaggccct aaaaattttc ttctggccaa aggtgggtca	360
aaccaaattn ctncnggct	379

<210> 9205

<211> 527

<212> DNA

<213> Homo sapiens

<400> 9205

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cagacaaacc cataatcttt gtcagaaatg gaatttcacc tgtcactcgc tgatttaacc	180
ttcacttctt ccctgaccca cacccanaac caggcaccct ccaaactgg cccatctccc	240
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cnccaatctg gtctgggaac cgcctcctcc ncctgaacct tccctggttt tccnccggt	480
gccggaacct aaaaattaaa gttgggggtg gccccntna aggcccn	527

<210> 9206

<211> 219

<212> DNA

<213> Homo sapiens

<400> 9206

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gaactgaaat gctgattctg tccanggggg ctgctgtatg tgtanactgg gtggcantct	180
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<210> 9207

<211> 539

<212> DNA

<213> Homo sapiens

<400> 9207

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<210> 9208

<211> 487

<212> DNA

<213> Homo sapiens

<400> 9208

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 cttttattat tgtacagcag tgacagtgac gacagtgatg atggcatctc tctattttta 120
 tggaaacatc tccaggaaat cccaagctgc acagtggaga attacaggaa cagaaaaagt 180
 ggtgtgaagt ctgtcggctt cttccctggg tcaatgagga gctgaactga atcatactan 240
 aggcattgagt gtctgcgcta tttttaaana nctctgggga agtgtggttg tcccaccta 300
 ggctcctaataaatacactca tttctatttg tgggatgggt aacaccatct tccatttggg 360
 ctttcctcca ctaatatatt atccttcaact gaagtcttat ttctacagtt taatcttttn 420
 ancccccaaa tttttttttt ttncnccnaa aaaccattct tggttcaggg ggcaaggtct 480
 gggncccc 487

<210> 9209

<211> 444

<212> DNA

<213> Homo sapiens

<400> 9209

ggtaccagtt ttatttataa ttaaccacat acaaactact tttctacaaa ataatggta	60
acatctattc ctttaattcac agaaatatca caaaacaaaa atccttccca cgatatatta	120
ctatttagtc taagctttaa ttcaaagggt gagaatgacg aattcaagaa tttctttcat	180
acataaattg ctttccttag ttctgcagat gggtaatctg ttgagataa gcactgtcat	240
gtttcaacct tagagaacaa aaagctatca acaagatagt ggtaaagaaa atgctagcca	300
aaaaataaca ctattgagaa ataggtgcgt attaagtgc atacttaca catctctgat	360
gtcaaagac caaaatttag ccttagggca ctaaagcaca tttgcccttt tgaagcacat	420
actantatgg ccncttttta tttc	444

<210> 9210

<211> 538

<212> DNA

<213> Homo sapiens

<400> 9210

aagtcagant tgcctttatt tttagattct taaatattct agaatgangt aaaacgaacc	60
tgccagtaca aagtgaatat tctacatggt gcattcttgg ngcttcatgc atgattattt	120
caatgaacct cttcctgggc actettaana tanatctgag tttttgactc nccagtctan	180
ggctttggcg aactcaatg acataatatt cttagaaaaa gcagtagcat ttctgacttt	240
tcatattcag ctccggagggtg tattgtctcg ggctcctgtg cagtcgancg ccacggctgc	300
tcatcggatg atccangatg ggtccttggc aattttcggg ttctcgggtc cgaagatggc	360
cangccgtgt gtgtctttcc cagtgccgaa gtatctatcn ctacgggca anaacttgtc	420
tggctgaaaa caaaaaactc tctctttggg ccncttcctc ccctnccaaa aaggcgtnc	480
aaaaattgtt ccttcccttt ttttaaagga accaaangan ctcttccggt taaaaaaa	538

<210> 9211

<211> 426

<212> DNA

<213> Homo sapiens

<400> 9211

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ccntttctca catattttga tggtaaaat aatgaaacaa actagtgcctt aaaagacgac   60
caatcttgag gagngtgatg tcngtgtnaa aaactaaatg agagtccaga aaggcccagt  120
cataaaacaa gcctttcttt atttcaatga gatagttttc tccttaggaa ngacaagana  180
tgggtgctag aaacagtttg ctttcaagtt atcaaaacaa ccacgacagt tgagaatgtc  240
tggaagagac catttgtttt ttagattgtc aactgctaca caaacagaat tttctggagt  300
tgtgacaggc atcnattaaa aaacaaaccn naaaaaaacn aaaaaaccca aaaaacaaac  360
acctggcctt ttgaagaatc tatcaagttt taaaaatttc agcatacttg cagtgaaccn  420
anatcc                                           426
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<210> 9212

<211> 322

<212> DNA

<213> Homo sapiens

<400> 9212

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gggagaatcc aaactcactt taatatgaga taagccaagc aaatgaagag aaataatggt   60
tgtaaccagt ccctggtaat acaagcagtg gcaaacccttg ttgatcaatt ccaacatata  120
aacaggaaaa cataaatgtc nggagctaca aacttttagta ttcagaggcg gacctatgta  180
taatggagcc aataagacca aattgacctt tcaggtgttt ccttgctatc tcccaccccc  240
gtcctcatt tacctcaaga cacaatggtt tttgcaaacg attattaaat tgcctantaa  300
gtcctaaaat tattncnttt tt                                           322
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<210> 9213

<211> 312

<212> DNA

<213> Homo sapiens

<400> 9213

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aatgcacat gaatgcaaat tcctgtttta tatatttggg tagaaagata gaacatattg   60
aaaataacag ataagtattht acaaattctc accttatttt tcccctttac attcaatggc  120
taagtgtggg gattcatctg taaatgctcc caaaaatggc acaaaattgt gctataatgg  180
aaccaaacia ccacagtgtt tgtttggggg tttgattttt ctccnataaa aggtacttat  240
ttanacagta aaattttttt gtgacaataa aaattttataa cataaagaac ttttgtnttn  300
ccncattggg cc                                                         312
    
```

<210> 9214

<211> 435

<212> DNA

<213> Homo sapiens

<400> 9214

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gatctattca tttatttttac tttctaagga attgatagaa atataaatgt acatatacct   60
aaaaagtggc tatcctiacat atgacagccc agaatttact aactccatag gttttctgga  120
tatttcaagc acacattaaa acaattacag agaggacata catttatgat ttatgcaaatt  180
taaggcacat caattacaat ctattttttt aagttagtca gtttaaaaat cttcacttac  240
aaaaattcaa aatatgtcca agctcaactt tttagtaaga atgttaattt gttgggggttg  300
ggccatttcc tttttncct taaaggtna acatgaaaac aatgaaggaa atntnggtct  360
ttgtaaaaca cataaatacc tgtgatgttt tgaatcattt ggnccttaaa aatattgctt  420
aacaanttaa anccc                                                         435
    
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<210> 9215

<211> 562

<212> DNA

<213> Homo sapiens

<400> 9215

gttgtggtta ttgaggtggt attcatatta tcagattgag aatgttaaac tccaagaaaa	60
gagctggtaa cctattcctc aattcagctg aagaagtcac taatataggg aaaataatct	120
ttttttgcca ccagctacaa agttagcata tatgggttaa aaaaaaaaaag aaaagaaatt	180
ccnaggaaga aaaaataact aaaaataact ctaggcaaaa agacacaata atttcaacct	240
gtcttatatt ggcagcttat tccatggagt tctgagatgg tacacttttc ataacgacta	300
atatctctct gaananttgg aaaaataaac actgatgact gctgacagan ccaganttaa	360
actgtgttct gtgggtccgc atcaggcngc aatccagtgc aaccttctgc ccgtaatcag	420
atgccatcca cagtccanca tattagggcc tcccgcttaa acaaaggact ggaccagggt	480
ccccaaaaac ntccttggga atatttgttt ttatcccggg ntccttcaat tcctgaaaat	540
cccccttccc tggnnaaagg an	562

<210> 9216

<211> 463

<212> DNA

<213> Homo sapiens

<400> 9216

catattgggg aganttttat taacttaaatt tgacattcct aattttgtct gtaagtcctt	60
ggnatatatg cctttatttg aagcaaacct acaggtgttt cttaatatga cagaatcatg	120
aagacttgca gttaatcagt gtttccnaat gattaaaaca atgttcaaat aattacaaag	180
ttacttcntc naaatactta gaaaaatatt ctgaggagtgt ttgaaagct ctgtttataa	240
atagtgattg atacatttat catgtntttg gtgctgaana taaacacttt ttacataaaa	300
cattgtttta atatactgct ctactaatga ggctagtatt tagatatact gtattttaac	360
actaaggaat aaagctttat ctctntatct atcttattta taggactctt atcnatgaan	420
aactttgttt ccacataaa taaactggca aattgcaant tnc	463

<210> 9217

<211> 421

<212> DNA

<213> Homo sapiens

<400> 9217

ggangcaggg tctctccgta gccagcctg gactacagt gcaagatcac ggntcactgc 60
 agtctcgaat tcttanaatc aggtgatcct cctgcctcag cctcccgagc agctgggact 120
 accagggcat accaccacgc ctggctaatt tttgtacttt ttgtaaanac ggggtttcat 180
 catgttgctc aggctgggtc cgaactcctt agctcaagca atctgccgc cttggccttt 240
 caaagtgctg ggattacagg tgtnaaccac cgtgcctggc tgactacagt tttttaattg 300
 cacgtttgtt ccttgaactg accactgtgg gcattccatg ccttcctcca ctgccgcctt 360
 tttccaagc tgaaaanaca aggaagatgt ngcntccaat taaccanaaa naacaccctg 420
 t 421

<210> 9218

<211> 316

<212> DNA

<213> Homo sapiens

<400> 9218

gtattaaaca catgtttatt tacaacgtgg agananaata aggggcagtt aaggccactt 60
 tctcctgtga aacactgcaa aatatgtnc aagtacaac ctaatatagg caaagggttct 120
 aaaaatcatt tttcttggtc tcacgtaatt atcactcggg gagggganaa cggctgccga 180
 tancaccagg ccatgccagg ccacgccaac aagggcgtgt gcattcactt tttcattgan 240
 ctgccctcaa aactgctgcc ganctgancc ctgcacgggc ccaagtgttc gccncacccc 300
 acancggtct gaacac 316

<210> 9219

<211> 368

<212> DNA

<213> Homo sapiens

<400> 9219

ctggttgac atgtttgtt tctttattga aagacaatac agaaatgatg aaacaatacc 60
tcaagggtct tgaacatgga tcaaatgaca gaagtcttta atgcaatggc acagaagctt 120
ctggcatcag cacctgcaag ccctgttcag tcatcattca tgatcgccaa atactccttc 180
tggtgttcaa ccagcttcag gaatacttgg tatttcttat catagtattt ttatcctgt 240
○ agtctcggga acacaacttt cccgactttg ctcatttttg ccattgcttc ctgtacagaa 300
ncgaaatccc ctgaggcaca ngcacccana acagcancac ccacaanaac ggactccccc 360
tcttgcca 368

<210> 9220

<211> 541

<212> DNA

<213> Homo sapiens

<400> 9220

○ gtttttatat tttttttttt nactccgtgt gcagtgtttt aatttatcca tgtacatagg 60
caattatcat aatttgaagg acacttttta cttattagac tataagaaaa actgtacaga 120
aagtttatac tataaaatta catccctaag tgattagggc cctcagtaac acanaaataa 180
aaaattgaaa agggtcattg ctcggaatc cacataacta cagantaaan cgcaagctat 240
tgttcgtgat cagaaanana cttcataaaa acatcttcac atattcccta ncattatgcc 300
ctactagtaa aaggaaggcc tatgacaatg ccattgttta ttttgtgtna cgcagccctt 360
ctatttcctt caaaantttt ttttctgc tataagataa anaaaagggn tgtntcccta 420
aaatatatac ctaatgaaaa attatctcca canaaactcc cacgttttcc attttccttg 480
gtctcccctg aaattccncc tggaacttcc cncaccaatt ttccaacctt ttenttgnnt 540
g 541

<210> 9221

<211> 449

<212> DNA

<213> Homo sapiens

<400> 9221

ctttntttt tttttnttg gagacagggt cactctctgt tgcccaggtt agagtgcagt 60
ggcgcgatca cagctcactg tatecttgaa ctctgggct caagcaattc ttctgcctca 120
gcttcacaag catgaancac catgcctggc taatitttaa aatttttct agaaacagcg 180
tttactatg ttgcacangc tagccttgaa ctctgggct caagtgatcc ttcagccttg 240
gcctcctaaa gcactgggac tacaggcatg ancactatgc ctgcccccta ctgccccctt 300
tttaaagtac ctgggaaaaa caaagtttaa atattctatt ttgtgcccc taattnacat 360
acaatttaag acactttcan aattttacct tattgaaaaa taattnggtt gaaaacttta 420
ctttcgaatc cctttgctgt ttgnngcc 449

<210> 9222

<211> 375

<212> DNA

<213> Homo sapiens

<400> 9222

gaaatacaaa tattcttttg tttacttate aaagtaaaaa ataacaaaaa tttatcagt 60
taaataaaaa agtgacattc tttatcaagc ctctttaaac actgaaacgc acgcattttt 120
atgctcatgt tctttagcag tatttctccc cttttgcccc tcattcccct aaattgtttc 180
aatgagttca tctgtagaat gaanattgtt acctttctta atgctactta ctttttatta 240
tctcaatate aagaccaatc tagacttttt tgtctcttac atgtgaaatg gatgtnaaaa 300
atggaaaatt cncancact tttaagata acataaaaaga agcctaagcc aagcctttcc 360
aggnggggaa cccnc 375

<210> 9223

<211> 387

<212> DNA

<213> Homo sapiens

<400> 9223

aaattcacta cacaactct gtgatgaggt aagaaaagcg acganggnct tcttgctttt 60
 tttcttaaac cattaaagta aaaccgtagt tttctacaga gtacaacaca agttcacaca 120
 aaaaagacat tttcttttgc aaatcaaaac aggaaagaaa ggaaaagctc aaacaaggtg 180
 aaggaaaagc atttctacag ctgaatcacg actgagttga tcgaagccca ttgttgctgc 240
 acaacanact gtgcgtttgg tcacagcggc aatTTTTTTT tctcttcaca ttgtgaaatc 300
 actttacatt gttttctagt anaaaaggca aaaaattgtn caaaaccccn agtgttaaat 360
 acgtttgtnc caataaaaca ctccenc 387

<210> 9224

<211> 344

<212> DNA

<213> Homo sapiens

<400> 9224

ctctgcaaaa gacactttaa aaacatgac tcttgaaaaa ataaatcgca acaattttca 60
 acttcatgca aatcgagggc agaggagtgt gaataatgat aaaagggaga gctgaaaaaa 120
 taaacatgat tctatttggg cggaatcagt tcattctcaa aatcttgaac gccatgcccc 180
 ggctgccaac ttcacatctc tcgtttccat tcttccctca ctgtcctcct ccgcggtctc 240
 tgggaagggc acaaggtctt tgggtctcang atgttgcagg gtacancatg gcggacaanc 300
 tcacaccact gaaatcatgg gcaaanaagg ncgggccctc cgga 344

<210> 9225

<211> 555

<212> DNA

<213> Homo sapiens

<400> 9225

agaatctctg tacgtcattt tattttattt tattttattt ttttgagaca cagtcttgct 60
 ttgtcaccca ggctggagtg cagtgcagtg gcatgatctc ggntcactgc aacctccacc 120
 tccagggttc aagtgattct cctgcctcag cctcctgagt agctgggact acagatgccc 180
 gccactaagc ctggctaatt tttgtatttt tagtaaanac ggggtttcac catgttgacc 240
 aggctgttct agatcttctg acctcatgat ccgctcgcct tggcctccca aagtgcctggg 300
 attacaggtg tgagccactg caccacgcct aaaagtcatt ttaatttgta agatatgttt 360
 actgttttag ananacagaa gctaactttt ctttttcaag gactgctgga acaatcntcc 420
 atganttctt gaagttgaat aacaggaaac tgtcttgttt tccaaccatt tngctactgt 480
 tanaaactgc ctggtcncaa aacccccctc aataaactgc agtncctattg ggcaaccctn 540
 ggttgaaaat ttcac 555

<210> 9226

<211> 329

<212> DNA

<213> Homo sapiens

<400> 9226

agattagaat aaaaatttat ttttgtaaag aatttatattt tgtatttgca aaagctgaaa 60
 atgctcataa aaattaccag cccagancct ggatttcac cggatccacc acgtgagaca 120
 aaagagtctg tcacttcttc ttgccagggt tgagggcctt ttctagacct tggatgtggt 180
 ttcgaggagg ctgatactct tcaagcaata gccagccgag gtggtggacc tggtttcct 240
 ggatctgcac ctgaangctg tccttgcccc cnngggcagg attgacngtg gtgctancct 300
 ggcatccctg ctgaaagatg gcaccctga 329

<210> 9227

<211> 431

<212> DNA

<213> Homo sapiens

<400> 9227

cttattaaaa aatatattta ttaattttta cacctgctgc atagcacaag aatattaaca 60
 ctataactcc ctgaaaggta caataaatgt tccacattta aataacagga ataagggtca 120
 acattttcac ccagtggggt cagcttttagc atctcatgaa agtgcttttt agacctagat 180
 atcttaagag tttttttgaa agggatactt ccaagtcaga aaacaagaag atcaaaacaa 240
 taggtttttc cagaataaca ggaattttac atgatgaaat gtctatttct gtcggtacaa 300
 atcaacgata aaaacaaaat ctacatccaa cctactccaa aataactenca ctgggactga 360
 atgaagtcta cagtgtcnat gttgtcttga ganaagcccc natatcncc ctggctacat 420
 acatgttttc c 431

<210> 9228

<211> 437

<212> DNA

<213> Homo sapiens

<400> 9228

cntgtttaac tttttaattc nttttcnttt taaattgggc ntgctaatac acacagtaat 60
 atgggtttac agatttccta naccaatect caatttgggc tcagacttga atatacgtca 120
 tccaagagaa ctttttcgtt ccttcttaag gtgttttaaaa aataaatggc tataaagtat 180
 ggggagaaaa catttaagaa taaggtcaga gcacacattc agatacactt tggactcaga 240
 tgttctctta gagaactgta ganataaaat gctaattata gtacatgtna acatctgttc 300
 naattgataa agagtgaaca taaaataata ggatgatatt attgttacag tcgtctccag 360
 acaggaactg gtcttgctct tgcagtcncc aagctaaatt cnggcgatga tgatctctct 420
 ctgctggana aaganaa 437

<210> 9229

<211> 628

<212> DNA

<213> Homo sapiens

<400> 9229

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catgtctatt tgattgcttt tttcctgtaa agacagtcac taatgctctt caccaaagt 60
tttcatttct tctgacacat gccaaagatcg cacttcccca tccttttgaa gttacttgca 120
gccatgataa ttgccctggc ccaatgcaat gtgaacaggt aaaagacata ttttacttct 180
gggcctaagc ttcaanaacc agtgcataatt ttgttgtctt ctctctctct aatgcanata 240
acagaagtcc catgagcctg ggtcccacaa anagacatgg agtgtagcat ccagcaatgt 300
cgttataaac ttgtagtggg aattaacaat acacatttgt tgttataaac taagatttgg 360
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tcactttgtg tttttaagt gcaataattt aactcanttc tctattagat acctcaattc 480
ccaatatttt tttttctgan aaatgcntgt ttattttatc ccaaatattt aaattttaaa 540
aatTTTTntt cccaaaattt ccgttgaaaa ggtgggtttt ggtaaatngg gaattctccc 600
tggggattct gaaaatttgg ggcccccc 628

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<210> 9230

<211> 403

<212> DNA

<213> Homo sapiens

<400> 9230

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ccatttgtag attattttat ttttagagta ttttcacata cttgcttttt tgttgttgtt 60
gttaacttcc cacagtatca cacggttgct ttcatttgag cccccacat ccctgtgggt 120
gaanattggc agacttagct tcatttgtag tattgtctga ggcttaaaaa gactgaatgg 180
cttggccaan atnacaangc agtaaaaagc ggggacttga acctggtggt cctgctctcg 240

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gttcatttgt atttctcttc atgctcatcc ctgaacacca cggggaatgg caggagacct 300
ctcccacaan gacacctaan aaagatttgg ggcctctgtc tntaacaat aaaagctgac 360
ctcngacaaa aaaatcttca ntctgttggc ctgttgggct tcc 403

<210> 9231

<211> 362

<212> DNA

<213> Homo sapiens

<400> 9231

cactgctaaa atattttatt ttaaaatgta ccacagtga tggatgtatc catactgggt 60
cttataaatg tacacataca catccatata ttgacaaag tatatatatg aactgggttaa 120
agacctatcc naaanaggaa atatttctag aaagttcatg tgtttatact tcattanaca 180
attaaaactt atttgaactg atgaagtttt agttgcttag caatgactaa taataccaat 240
gcctgtcaat aatgacaact aaattgagaa ctataaatit cactgctgtg ccttgggctn 300
aaattttcaa tgatggaatc ctaaataagt nacagttatt ccnntaatgg ggtttntttt 360
cc 362

<210> 9232

<211> 390

<212> DNA

<213> Homo sapiens

<400> 9232

aaaggatat attttaaacg tgtgtcgtct acctaagtaa ganaatagtc tttgaactan 60
gtactatgtt tgctgttttg gtgatgggtt cactanaagc ctaaacccca gcattactca 120
atatatccat ctatcaaacc tacgtgtgta cccccctaga tctataataa aagtaaatta 180
aaacaaatca aataccagtc aactatttgg ttgactttgg ttgtactgat taactggaaa 240
tgtgcctctg aagccacaca gccagagcaa ctggcttttt gtcattccca atgaaaagcc 300

ttgaaanatg gttctattan ataacgggcc acactgaagc taactgtgca tctagatcac 360
atcaaagcag tanaagtgan atttagcnca 390

<210> 9233

<211> 447

<212> DNA

<213> Homo sapiens

<400> 9233

acgttgcttc aaaatattta atacgtgta gacacgtaaa agttacattt ttatacaaaa 60
atcaatacaa cgaangagaa aatactgtac aaaaacctta tcagctcccc caacctttat 120
acaacaaaga ctgggagtca ccatactac aaaaccataa ggtctttcca cttcgggctt 180
ctgtctgtaa actctcatta aacacttttt aaaagcactg tgtagtactt ctgacctaga 240
gcttttaaaa atatatcttt tctctataaa ctccattatt tccaagcttg aactcttctg 300
tgaagtctgt caagcttttt ctcccctgcg gggaancaaa ggacgttaat acgccccttt 360
cctagantaa tcacaggata taaacgtttc ctcnttggga aaaaaaaggt ggggagggac 420
aaaaggaatc canttntttg cncttgg 447

<210> 9234

<211> 403

<212> DNA

<213> Homo sapiens

<400> 9234

cagcttttaa ctgtttatta taaagacata tttacacaga acaatcttta caaacattga 60
acacagggga agggaacaat ttcttaatga acagggcctt aatatctttg tataaattag 120
tataanaatc ataaacaacc actttaaata aggcagcccc cctagcccac ccactaccct 180
cttctgttcc ctatctccca gctttcttag ccatecccca ctttctcccc ttccccacgg 240
ggctgggctt ggctgcaggt catggcaggc cgatgaggca ggagacacan aaaggaaggg 300

ggaaanaang cccaatccct gatgggggcg tcagtggcaa aaaaaacttt ctgggcaccg 360
accantcccc actccaanca tgagccttta agcagcanca gca 403

<210> 9235

<211> 546

<212> DNA

<213> Homo sapiens

<400> 9235

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aacagccgtt attttCactt taaatgcaaa ccaaatactg ctgcacacag agtacaaga 120
ttacctatga acatgggttag gtacaaaggc catattanat gtatagacca cactttgttc 180
ttacatcaaa gaccgaccga cagagcaatt ttttgacaat tatttttagca aataaccgtg 240
ctactaaaca aaggcaaata cacatatata cacaacacg tctcaactaa aattatacat 300
gtcactttga caaacaaatt ctctgggtggt ttaccanat atttgcacc caaagttccc 360
tgcccaaate ccgaccccaa atgctgactt gatctgaana aaaaaattag anatgttctt 420
aattaaaggc acatttggca gctactgaaa gtggcatgca tctggcacag gtgcctcccc 480
taagccnacc acatgttcct tccancanct gttatgcanc tgtttccttg aatggtatcc 540
atgtna 546

<210> 9236

<211> 521

<212> DNA

<213> Homo sapiens

<400> 9236

cttgagggtg gaccatanat tgtctattca tgctctttca gacttttgat ataggcattt 60
aatgccataa actttcctca cagcactgct tttactgtat ctcggaagtt ttgatagggt 120
tcttgttttg ttttgttttg ttttgttttt tactattatc attcagtcaa tttttttcat 180

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ctatcatgta tctgtcttgg cgaaatgttc catgtgctga tnaataaaag gtatattctg 420
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<210> 9237

<211> 451

<212> DNA

<213> Homo sapiens

<400> 9237

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 accccacagg gtgggcaaag gtgcttgta atataataaa actgaacaac agtggtanaa 180
 aaaggtacac ttgtacttat cttcaagttt aaaatgtaaa ttttttctgt tcaatggcca 240
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 gttataggca ctttgttggc catancnccc c 451

<210> 9238

<211> 392

<212> DNA

<213> Homo sapiens

<400> 9238

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cataacaaaa ctatatggcc ccgtttcata aaggttacta tattctatan anagtgaana 180
ggtggccttt ctatcccagc ttaccctatt cttgttattg ttcaaattct cctgaagctt 240

gcataactag ctgccatcag gtaaattgcta ttggctagca gaagactgca gttctgttaa 300
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<210> 9239

<211> 211

<212> DNA

<213> Homo sapiens

<400> 9239

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ttataacat ccncanatct tataaaccaa acatctcatg aaaatgaaat gaagctagtt 180
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<210> 9240

<211> 367

<212> DNA

<213> Homo sapiens

<400> 9240

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tgggatacag gcatgcacca ccatgcccان ataatttttg tatttntagt aganacagag 180
tttctccatg tnggccaggc tggctctgaa ctccggacct tgtgatccaa ccgcctcggc 240
ctcccaaagt gctgggggta cagggtgtgag ccaccagcc cagccaggat gcaatcttat 300

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<210> 9241

<211> 492

<212> DNA

<213> Homo sapiens

<400> 9241

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ttttaaaccc atgtcacagg acggtattca gcctgaacag tttcctgaa cagaagacag 180
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ggccccang gaaacaattt aaccaagggc ttaaaatgct ggccatcttc aacactgaca 420
ctgtcancaa tggtgcttc tgggtnaggg gaactggata ctgtcatttn tctatttgna 480
cagttnttaa aa 492

<210> 9242

<211> 509

<212> DNA

<213> Homo sapiens

<400> 9242

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aaaaaatcaa ggtgagcaaa accatttggg gacaaatctt atttaaatta tacacaactc 180
aatgaaatat tcttacagaa aaaatataaa tactttttct ttctatgtta cagttataca 240

atataaatca gatttcaatg tctgttcagt gacctacaaa caccagaacc tccaaatgat 300
tagcagcgta ttactaaata aaaaagaaga aactcatgtg gttagagagc attaagtctg 360
agattttttt cacaattcct taccactttt caaaactagt ttacaccatt tgtttttacaa 420

tgcagcttta nggttctgac aggtattttg ttcaattanc tataaaantt ttttcntcc 480
ccccccctgg ccccaaaaat tggctttgt 509

<210> 9243

<211> 499

<212> DNA

<213> Homo sapiens

<400> 9243

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ggttttcagc tccatgaggt catttaagga cttctctaca ctggttattt tagttagcca 180
ttcatctaata cttttttcaa ggttttttagc ttctttgcga tgggttcaga cttcctcctt 240
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tacctttggg tcttgaagan ggtgatttca aatggggttt tggggttgat ttccccggtt 480
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<210> 9244

<211> 570

<212> DNA

<213> Homo sapiens

<400> 9244

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gagggaaaac caatacttta tattcncctc tcataaaagg ttcaacagca agcataatga	420
aganccntta taaaatccta ttgctaagta ttactttaac tcntaattct gcttatataa	480
gtgtttgcnt atcccagtta acaaattcta tttaattatc ccagaacttn tgccaaantt	540
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<210> 9245

<211> 501

<212> DNA

<213> Homo sapiens

<400> 9245

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gaacgcactt tatacttata ttcttacagt ataataggctc taatatccag gatgcctctg	180
gcctcattga aagcaatggc anaaaaatgc tgcaaggtagc ttgaatatca tantactggc	240
aagtgttga agtaacttcc tgtgagttct ctgtcanana ctgcaaaaac tgcgtgtggg	300
tgtgtttgtc ttttagtctt ccaccttng gtttacattt aaatcatctc anaaaatatac	360
ccctgcatgt atcattcagc ttctcagaat ttccataaaa acaggaaaat gtcatgaagt	420
ttccctaact ccgggantga ngtagtgctg tggctgtccc aaaagatttt anttacctgt	480
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<210> 9246

<211> 384

<212> DNA

<213> Homo sapiens

<400> 9246

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ttcccgaacg gnatcttgtn aaaaatgcc aaaaataaat gaaaaaaact gccaggaaaa	180
nanaactggc tttcagtgtt aacgaaatgg attctccana agcatggaaa tcaggactgc	240
cacncagggg aacgcacana caggtccaaa cgcaaactg cccctganc ccccatctt	300
caaacacgct catgcacact ggaggcgctt ccaccgccag gcccgcgtga anacacagcc	360
gggtngnccc ccnccaacg ggcc	384

<210> 9247

<211> 569

<212> DNA

<213> Homo sapiens

<400> 9247

ggcttatcaa atttcaaata tattttactg tgctgaacaa tatattctaa tgctgtctaa	60
aacacagcta aattatitit ctttatttgt ttatacacat tcggtaattt ctgaaaagca	120
agatttaaaa atatttatta acaaaactac ccaattacaa tgactgttct ccatacacg	180
caactatitit ctgtagctgt atcttcttac ctcatccac tttaactctg tataccgtat	240
tgatttgtga tgagatgatt tattatgaga actcttaggg agttctcatc ttccatttct	300
catcaattca aacagcaaca cctttcaca gataacatta attcccttgg cagggcagaa	360
gcttaagttt gttaaaagca ctactgaaa aacattitita aatttatagg tcatataaaa	420
taatttacia agagacagat gacttcnaat attatttggc agtcacctta ctatgtngaa	480
acataaatga aacaatctgt ccacnaana ccateccitit tggcctitita aaggaattitn	540
ttttgggaat tnttttctgc aggccttcc	569

<210> 9248

<211> 525

<212> DNA

<213> Homo sapiens

<400> 9248

caggggaagg tataatTTTT attgacgtgt cctcagcaca aggtctgttt tcaatTTTct 60
 gagaaatcaa cttgagtaac gtataaaaaat taaaacaaca ctgaactttc gttccagttg 120
 ctgtcaccac caagcctgct ggctggcacc tggaggagct gggaacaaaa ggtaccatgg 180
 caggtgaaag gcccaagtga ccaacactac atgggctgat catttcagct aaatgccttc 240
 tgTTTactga aaaacatctt ggatagccca gttctgcggc caagtgtgct gtatctgcct 300
 ccctgggcca cctgctgggt acttgtgcag taggaactgt gTTTtacacg tctctgaatc 360
 ttctcagtg cttatTTTctc agtggttgct gaactaatac ttgctaaaca aatgaattct 420
 tctttattca gagtccatac aaatacaggt accttcataa nccaatgtt actgganaca 480
 taaaanttga atcaacanaa aacaagttct ccctatatcc tcnta 525

<210> 9249

<211> 572

<212> DNA

<213> Homo sapiens

<400> 9249

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 anaaaactga ggcttacagg gactaaataa tttatccgac atcaatgctg gtaaaatatt 180
 caaatgcaat attcaaacc agaccagct gaccctccca cactgccata ctttcccat 240
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 aaatatgtct ctcgtgaaat tccacttttg gtacagaagc acatattgaa agaanatttc 420
 tctcccatc atgttgggct ttgcatctcc cgttgctgct actgctgcct tcttgccaa 480

ttaactgncc atgttccatg ttctncatg cccatccntc caggattggt tccngatttc 540
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<210> 9250

<211> 567

<212> DNA

<213> Homo sapiens

<400> 9250

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tgcctaaaca tgtttctcat ataagcgaaa ctgaacatgc tgctgctatt aatcatcata 180
aactgtaaaa tgtggttttc tggaaaactg gtactttggg agttttataa tccttttgga 240
gtctaagcca gcacatctct gtgagttcat tctaaaaaat gtgctttgtc tttatcttta 300
gtaatccaag accactctaa aattaaggcc atcagggaaa taacaaactg atgangcatt 360
ttcttatant gcttttttca cctactgctt gaatgaacag atctttctga accattttca 420
tcaggccttt catcatctga atcaaatcca aaaaatttct gacattcttt tgtgcaaaaa 480
aaaccccat tgccttctcat tacataaggt ggtcgggctt ttgcccttct aatncttncc 540
agnattttta nacctttttc ttgaata 567

<210> 9251

<211> 574

<212> DNA

<213> Homo sapiens

<400> 9251

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tacacaattt ttaaactaaa tctagtaaca acagaggatg gaacataaaa gacacaattc 120
caaattttag tcagggtgaa atgtttttcc actaactgaa agataagata aatgagcagc 180

cattataaag ttatgggctg tatgtcaatt cacgtcttaa aattgaaagt cagccacaca	240
gctgttaaaa caatgggaaa ttgcaaag caaatatata atgcatgcac agctatcaca	300
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gtacatcaag gcacattctt ttcttgtgct ttaggaatga ttacatgtg atctgcttat	420
atcttaattt tatactttat aacagcttct aatacctaaa agcttaattt ttaacaatta	480
ttctttgagt ggtagtttcc cacaaaanaa atgtggcatc tctcatgggt atttccaagt	540
cagaaaattg gatacctgaa gaagtnggat ttaa	574

<210> 9252

<211> 495

<212> DNA

<213> Homo sapiens

<400> 9252

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ctcaaaaaaaaa attcttttaa ttaaaaaaaaa aaaaaagctt tactacttcc tgtggagttc	180
ataaaaagtt ctccctttg ttttagtcat ccanantaaa gtcatagggc tcaaagtctt	240
tccggaagcg gcganccagg gtctcctcgt ctcccttgcg gatctgacac tgcctccagt	300
cagacttate aggaacatta agggatggct tccctggcca ngaactccct tccaaactgc	360
aaangaaaat tctttttaat tctgtggaaa ancttttctc ctgtgtcaag ttcaacataa	420
aaatatgctg ctcttgctg tgcaatctgc ttganginna aatgctctgg gaattccaac	480
anctctatct gcngc	495

<210> 9253

<211> 576

<212> DNA

<213> Homo sapiens

<400> 9253

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cagcatttcc	tatggccagt	gttctacaga	agtaagactg	tgcaaacttt	atcgtatagt	180
caaatganat	tgcacactaa	ggcaggatga	ggcanaagca	agttgtgtcc	acagtatatt	240
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ggattttttt	cctaaaataa	atttatacaa	gtagtggtta	tacttcttgt	ctttgttctt	360
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taacctganc	tttggggctc	tgcactgcgt	tcattgtaat	ccgtgataca	atgactacaa	480
atgttttncg	aantctaata	tccacctgtt	tctcaggcga	atnccaggg	gtccaatccn	540
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<210> 9254

<211> 446

<212> DNA

<213> Homo sapiens

<400> 9254

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attctaataa	aaaaccttaa	cccgattgtt	taattctaca	taatcattta	atcctaaagt	180
tcacagaaag	agcaaggggt	caagaacagt	caaaaccatt	ttgaaataca	ganaaggggtg	240
ggcanaggan	acttccttac	cggatgtcaa	gaatttagga	ttaaataacag	agaggggcatt	300
ataatcagca	gggaaacgtt	ggaccattcc	ataaactgct	aagacaactg	attatccata	360
tgggaaaata	atggacttta	tgccataaac	aaaattnnnt	tcaaagttaa	ttaacaaaat	420
anaaaggcna	aatcctnaaa	ttttta				446

<210> 9255

<211> 305

<212> DNA

<213> Homo sapiens

<400> 9255

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aaaataaaaa aggtttttgt gctttattta ttcntgggcc ttttgagttg aaagggaaaa 60
aagttttaat attttcaggt tggatcnca aggactgaat aatacactta tgaaggnttt 120
caaaaaaatg cttgatttgt ttctaaagga aaggctgctg atggtaattt gtgtgctgct 180
gtgcaactgg atganctgga actgtcaccg gaaagcctgc cagttgaggc aaattggaan 240
tnttgttctg ataaaatnac atatccacag acatcccntt ttgctgtgtg taagcagttg 300
tncca 305

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<210> 9256

<211> 597

<212> DNA

<213> Homo sapiens

<400> 9256

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aaaaaacctc aaactataag actagacagc aaagcctatg ggaacaccat gaaatgtgtt 120
acaaacattc tgaaacataa gttactggct gttttcattt ccatttcaat aactttacta 180
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cttacattaa ataaattctc acaganactg ttanactttt aattatgaat ctatccttcc 540
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<210> 9257

<211> 401

<212> DNA

<213> Homo sapiens

<400> 9257

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aacctctgcc tccccgggtc aagcgaanct cctgcctcag cctcccgagt agctggggat  120
tacaggcaca agccaccacg cctggctagt ttttgtatit ttagtaaaaa tgangtttcg  180
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<210> 9258

<211> 505

<212> DNA

<213> Homo sapiens

<400> 9258

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attctgtaaa aatggggaat ctcactatat tgcccangct ggncttgaan tcttcgcttc   60
aagcaatcct ctcacttttg nctcccaaaa tgctggggat tatgggcata agccactgtg  120
cccagcctag caaactgttc attttgaaat ggtaatttt atgttaagt aatttcacct  180
cnagtgaaaa aaaggaagan gaaacagtac tgtgttcac atacgttgtc ctcaaanaca  240
gcctcagttc tggcctggga ccttttccac tataaaacct gttcacatca gancatctgt  300
gancaaaggg catggcactg gangatttgt gggagaaatg aagtgagaac ttacatggca  360
cctcagtatc aaccctcat cctcatcana taaacctgct ctccacaagc ctttcccacc  420
tcccantca acaaggctcc tttcccggtt cctcccatcc ccaccgcag nctctcctct  480
gaatccanca attctgctcc nanca                                           505
    
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<210> 9259

<211> 593

<212> DNA

<213> Homo sapiens

<400> 9259

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acttcagaaa catttttact taatttcttt aataaattac tgcttaaaca ccctatctcc   60
caactatatt ttacatttc aaaaattatt tctaaaacag anttgtaatt ttaaaaggca  120
cctaccatcc atatgacata ctgattaata taatcaggat cactgagttg atttattaat  180
ggaggaanaa ttcctcgtgc aaggatttcc ctgacaaagt atcgcatgat cttgttctgg  240
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ctctgttatt ttctgttgag ccnttctgaa tactcntaag tgtttgccaa agtcatctac  480
aatgctttta ttaaaataaa ggtgccagtc tatttctttt gacctattac caactgaaat  540
aatncttttt gaaaattctg cccatttcca aaaaaaaaaat cnnccnccctt ant      593

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<210> 9260

<211> 455

<212> DNA

<213> Homo sapiens

<400> 9260

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aggcaccatt gaaagtgtcc acagttgcgc aaaaaaagtc ctctgtaaaa aaaggggggg  180
gtcttttgaa atgcaataac ttacatgcaa aaaaaagctt tacacatgaa tctttttcag  240
ttttccgaac ttcccatat gaattccttt ctttatgatt ttctanaaca gcaaaacaca  300
gtagtccna aaaagagagt aagagagagc agcccatcta atanagtgtc ccggaggcca  360

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gcgccagcgg gtgctgtaag gagcccggcg gcggcagggtg ggaattgatt ganctggctg 420
cacttgtgta ccangatgca aanttctcca nntta 455

<210> 9261

<211> 535

<212> DNA

<213> Homo sapiens

<400> 9261

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tcagtttcat gactatcaaa aagtcttgat ataacactac agacagaatt aaggggttta 240
aatttttagga ttaanaattt agctatctga ataatttaaa tttcaaacad ttttctttcc 300
ctacatttca ctggcaaaat taacttcaac tattattcaa ttctcctgga ttatgcaaaa 360
gctgctgaaa atttgatgta tgacacattt ggctgacact ctattgcaac ctatgaatgg 420
gtttaactat tacacagtat tcattttcct ttcaaagatt ttacacaata gtgacagtta 480
nanaaaatat gtnttaacaa aaaatcccgg aaaatgggcc tatatganaa atatc 535

<210> 9262

<211> 561

<212> DNA

<213> Homo sapiens

<400> 9262

gggncaaaaa aactttatta gcttagtctc caccctttta aatgtactct aggtacaaaa 60
taaacattat acacatataa natcagtctt tccaacttta gaatgtataa ataanaatga 120
cattttaaaa taaaatagtt tagtcacagt cacacaaaac taccttctaa ggaaaactgt 180
ccagtgaagc cgttaaattt gtgctttcag ctatgaanaa ttaaacttaa aatgcattca 240

ttcttctttt aatgaaaaat aacctaccct tggaaacagc ataagcattg ttatggtagt	300
ctanctccta aatgaaaatg tggactgagt tacagtttac tgtagtaacc tacctaagaa	360
gcctttgaaa attagcaatc gatcnaagta ttacataaa ttcaagcctt tttcttagga	420
caaaaggtaa cacagttcct taacctcttt taaaangaac tttgaaatta aacttatggt	480
cacacttcat tccaaaatgt gcttaaataa caaatccctc tcncanangc natgtccatt	540
tcctcgtaac ctcccctgtt a	561

<210> 9263

<211> 576

<212> DNA

<213> Homo sapiens

<400> 9263

gagatggant ctactctat caccangct ggggtgtaat ggtgtgatct tggctcactg	60
caacctctgc ctctgggtt caagcaattc tccttgccctc agcctcctga atagctgggg	120
ttacaggcgc ctgctaccat gcctaatttt tgtatttttag taaanatggg gtttcacat	180
gttgatcagg ctggttttga aatcctgacc tcaaatgata tgcctgcctc ggcctcccaa	240
agtgctagga ttacaggcat gagccaccgt gccagcccc atttgttttt ttttcaagcc	300
aggcttcac cnaaaaaaan aatctgtatc atccttgctt catctataga aatataatat	360
aaataaattt agcaagtgat atttcctcaa acttgtttcc tctttcctcc tattatctct	420
actccgattt ccttctactg tgctttttct attttcttaa atatttatga atctcattgt	480
ttctttctct caactgtatg ttttaaantt catctanttt taaanattca ccattgttac	540
ccccattcat ttncataattg gnccaattaa cattga	576

<210> 9264

<211> 542

<212> DNA

<213> Homo sapiens

<400> 9264

gctagtagaa catatatatt tttttttatt ctgtatgtta acatatatat taatatatat	60
atagaagcat gcatatatag cctaatatga tggaagtata atagatttaa ctatatattca	120
<hr/>	
agaaatagta tctatgcata gatagataaa tatgtacata tttctaaagg agaagaacag	180
gaattttaaa atttctttcc tcatagaact atggcattat ttttgctata accattttaca	240
taaagtacta tattgtttaca gatatcaaaa atgttcaaat ttatggttgc ttatgaaatt	300
gtcattagat tttaaagcct gtgaagaaaa ggccatacat attttatcat ctttgaatct	360
ctatagtcct gggaaatata gtttaccatg tcaactttcn ataaaatgaa ttaatagtaa	420
gtacatctta aaataatccn gaaaaaata aactttaaca ctcccataag ataattggca	480
agtaattaat atacctccct tttactttga gaaaatanat cccctatfff cccnnngttn	540
tt	542

<210> 9265

<211> 381

<212> DNA

<213> Homo sapiens

<400> 9265

gaacgcttag taaaatattt cattcagtac gtcttgtttt tctgagagag gcaacggcag	60
agggttgggg gcagtgtgtg tgtatttgtg atgaacctaa ctctcatgc cagttctctc	120
gagatttctt cgcgggggct gccgcgagga ancaccctcg cccctgtcgg tggaagaag	180
gaagagagtt ctctaccaca gaccgctgtg ggtgtagcca ctgggtccgg ctctgcaaca	240
aacgggttgt gtatgtgtct gcagaactgg ggtgacgcc atctggttta ccgctcaggg	300
tgatggaatc cantgagctg attaggagaa cgctgtcatt ttccccagcc tgggggtacc	360
atcaaatcgc cccccntttg a	381

<210> 9266

<211> 502

<212> DNA

<213> Homo sapiens

<400> 9266

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cttgaanatg ttatttcggt aaaactgaag ctctttgatg ctttcactaa tgtcatcaag 60
tgccctatga gaagcagcct tctttggtgc aaattcatat tcttctggat accagcgtct 120
gcacagttct ttaacagtgc tcacatcaat tattctataa tgaanatgtt tcatgaactg 180
gggcatgtat ttgtcaagaa acttcttata ttcatgaact gaatttccta gaaagacacg 240
aagcatactg catctctata tttctagtat tataacaacag gatatacaaaa ttcataantt 300
gtatttgaaa tggagatnat tttttaaaat tcaaacaatt cctaaaagcc ctctatatatt 360
ctaaatcagg tttgggtaaa tgtgattagc ttacaagtac agatttccaa gtacttagtc 420
cgtttancct ccttataaat ttgttaatga cncacctgaa cagaaaggac aatctntcnt 480
cccatgcct tgaatnttat gc 502

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<210> 9267

<211> 540

<212> DNA

<213> Homo sapiens

<400> 9267

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aactgatgaa acatacattt attttttcca atcaagtctt aaaagtttga tgaaagcgca 60
ttattgttac caaaagtctt caggcaataa cagagataaa acttaacaca gacaaacaat 120
gattttattc catagtctct tggacttgag aatccatttg agtttcagaa agaatactaa 180
attaatgggg gttatgtcag gatgccaatg tccatgctga ggcttctcct gatacaatct 240
tttgcaacat aaccaacaaa gatcaggagc ttaaaacaaa acaaaacaaa aacaaacaaa 300
aaacaagttc atgttatttc tacaatgtcc aaaaagaaag accaagatct ttgcttaaaa 360
atagaaatgc atnctgcngt ggctcaaaaa cttaggcctg catccaaatt acatgaagcg 420
cttgtaaaaa cagattgagc ccnctctgcn aagtttgtga cccagtgttt ggtgggggcc 480
aatnatttgt nttctacagg ttcctaantg aatcaagccc tgggtgtcgaa acaccttta 540

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<210> 9268

<211> 474

<212> DNA

<213> Homo sapiens

<400> 9268

acttgacttc aatgancctc tcggcttctg aagcacctgt aataggttag atacacccaa 60
aacgggactc aacatcagct tccggctcac tgattttcgc aacacagatc tctgacagtc 120
tttctcagaa atgtatcagt acgttctcca agttgtgagc tgttttttca tctttttccg 180
tgtctgcttt ggcttcccag gaacttanag tttctgctaa atggttaaat agctgcccatt 240
gttgcaatcc tgggtctttg agaactgcat caataaaagg gatcaacgtg tgcatgtctt 300
catttgatc ctttgtaata tcatttatag taaactggta aattgtttct ctgagttctg 360
tgagacagtc tagcaaatta agcaaaccac angaaggggt catggggatc ccgaattaaa 420
atttaancct ggtgggcnaa aaccnagtt aaaaaaccng ggggctgcca atgg 474

<210> 9269

<211> 386

<212> DNA

<213> Homo sapiens

<400> 9269

gtaaaattct gtatgtatgt caccattttt tttcacatga tacacagaaa actcaaggac 60
ccagagggga accaagttat gttataccat ttacaaaata ccaaggagtc cacagctacc 120
taacacattt actacagcac aggaaccaat gaaggtacag tgtacaaaaa actgtaaaca 180
cggcacaata aatagataaa acagcagggt ccgcaccatg cacatgatgt gatgacactt 240
catctctaca caatctcaca tctcacactc tttgttgcaa ttgatttccc tcccaccccc 300
caccaccaan tgcaaagcat cacaatgaa catttctgtt ttcaantnac atntntacaa 360
ggggtattac aaatatgcag tactgt 386

<210> 9270

<211> 390

<212> DNA

<213> Homo sapiens

<400> 9270

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aaaaataaaa atatttattt ggaaaatatt agtagcatga taactcaacc tcaccagata   60
ttaacagttc atcaggtcag gcaatanaac aagtccacat gagcttctta aaaagaaatg  120
gatgaccact tcaatagctg actccatctt ccattttatt actggatgat tcataatcca  180
aaatatgaag ttttgggact ttttctcaaa aggagaaact ttgggaaagt gtctgaagca  240
atggtattga tctttttttt ccccttttat gaaactttaa ctgcatactt cagtctgggtg  300
gaatcttttg tgttattctg actggtccat aanaacccaa ggactatgtt gataatcctg  360
atnatttcan caacacttcc aaanttcnct                                     390

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<210> 9271

<211> 537

<212> DNA

<213> Homo sapiens

<400> 9271

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catgtaattc agttgatatt taattacaag ggaactcagg ttcttacaca angcaggaaa   60
tggaatcagc cgctccccac aagccttttc aacctgggtg actgaagctg aagaaatggg  120
ganacatgga acatatgggg anggttctgg cacantgtgt cctgccccaa gctganggtg  180
gtggccactg gggatctgcc ctgcgctgg ccaaggtctg ccatcactcc atgangcaaa  240
actctgactc ctgctgtcgc atgttgggta acacatacag anccacagct gcaatancca  300
aaaataccat aggcttccac aacccaaaca tgttctcatt cttgtcgttc tggggggcca  360
tgggcttttc aaggcattcc atgcactcct tgaactccct ttcacangca tccanctctt  420
ccttcaagtc tttctgcttg gncaataact tttcatctg ctcttgcaac tgggctgttt  480
tcnccccggc ttatctgggtt acatggnetc accncctgca cttnattaca ctttccc   537

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<210> 9272

<211> 563

<212> DNA

<213> Homo sapiens

<400> 9272

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gagaaactat ggcacttta ttattttgct gttagagcca taaatttcac ttaacttcat   60
aatctatggt aagagtatta gcttaaaaat gtattttgaa aagattttac atacagattt  120
aaaagatagt accttgaaat ggtttacagt taagcaaag aaatatcaca aatacaagca  180
gagctttgag atctgagttt tgtaaagct anaactttgt ttcctaattt tttagttcct  240
caaagaatta agaggctgca ttatataatt catttttagta tgttacctc aagtactttt  300
agaactagac tgtattttca ctgccacaga tgtatcatgc agggagtatc ctggtttaaa  360
ttctgaagtg ctttcaactcc tacttggttc accttgaaaa tcgtctaaaa agaagttggc  420
acattatttt gcgaatgtta ctggacatca ggaaatacat gactggatct aagccactat  480
tgaaagatga nanaaccccc tgatctcctt gggtttggtt aaaattcttc cctttccaaa  540
aaaacttttn ccgtgtaaaa aat                                           563

```

<210> 9273

<211> 381

<212> DNA

<213> Homo sapiens

<400> 9273

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agagttatga ngttttcact tttatttata aactcaaaaa gggctggagt tacacgatat   60
ttatttgcac acagcttcgt gatgtncaat gtgtgttcac atgctccatg ttttttgatc  120
cccacgtaag gctgtgagat agacttgatt tattagttctt ggtttttagg ctgaggaaca  180
agtccaggag gttcaaggga ctcatcagga tcacacagcc agaaaatanc aaagtctgtt  240
cctgactcca agtcagtang ttttgtcagt ctgtgttggt gttggagana acagtcggga  300

```

gacacatgga ctaacacaaa angaatggat gggagancan gcaaaggttt ggacctgcct 360
tgtcatccca caggacangt a 381

<210> 9274

<211> 485

<212> DNA

<213> Homo sapiens

<400> 9274

attttacttt aaattccggg atacatgtgc agaacttaca ggtttggtac ataactgtat 60
gtgtggcatg gtggtttgct tcacctatca actcgtcacc ctagtgtaa gccctgcatg 120
cattagctat ttgtcctgat acttcccctc ccttcaccct cacccccacc ccaatangcc 180
ccgatgtgtg ctgttactct ctctgtgtcc ctatgttctc atagttcagt tcccacttat 240
gaatgagaac atgcggtact tggttttctg ttctgtgtt agtttgctga ngatgatggc 300
ttccagcttc atccatgtct ctgcaagggg cattatctca ttcttttta gtccatggtc 360
tttttgact gctagataat ctctctaacc ctggcgggga aagccttgc ctgcctaaca 420
atctttgttt gctcatgcat tccatcnanc ctncatgcat ttctccaca aaaatttaat 480
taanc 485

<210> 9275

<211> 423

<212> DNA

<213> Homo sapiens

<400> 9275

acttggccaa ctggctcttg ttctcaacc tgtgaggag gcatcaacc tgtcgggtga 60
cagatgagac tgtggggcag agccanctcg cccaaggcac ttgcttacia tggcagagac 120
agaccttgat acacaggact ccctgataac tgggcatggt gtctcgatga gtcggggaca 180
ggtttcccct cttgcatctt gtaaacaaaa gccacccta agtcaggaat cttcacacac 240

aagccccagg aagctgcggt ttcctccta gctggcctct ggaccgagtg cagccccact	300
tgtctccctt tccctccacc atgtcaggct ccgactgggt caggccagggt angcaacaga	360
gttgccccag ccatactctt ctggagactc tgaatcccct gggacactct canggcaaca	420
naa	423

<210> 9276

<211> 384

<212> DNA

<213> Homo sapiens

<400> 9276

acatgtctct gcctctgttt tcagtgtggc ttggacagg aatatatgaa taaatcactg	60
ccatacagggt ttccaatac acaagtgcta gaaaatacac acaattcccc aatgcgtaag	120
ttgtgctaata gtctttccaa gttctgggtt gggaagtgga nggtggcanc gtttgtttgt	180
gcgcaaccgt ccagtcctgt tcacagcgag gatttggagt cctccagggt ctcacatgg	240
gagtgatttg tcagcggacg cctctgccct gtctggcttc aggtccaagg aaactttgaa	300
ncantcaage cttgtctttg taccatcatgt ntcctgtctt tgttgantca ctcaaaaatc	360
actcctggac cctgggggt tgga	384

<210> 9277

<211> 330

<212> DNA

<213> Homo sapiens

<400> 9277

gcataagaga ttttaagaga gcagatttaa gaaagattca gatgacttca cgtgagctac	60
tgaccatata aaccttgcac gtgctggccc cagggaatat ggaagcttcg gaaggtattg	120
ctctgccctg cctgggtccc ttgctcctat tgcagccaga agtccccaaa aacctcagaa	180
cagatatttg cttctagggg atatgagggg aaagcaccgg gaattacat gaggtaatgg	240

atacggctat gcagggtggct tcttgatgac aataaccnt cctcnggagg aagctttttt 300
ttgtttcttc cncagactcn aaatanctga 330

<210> 9278

<211> 537

<212> DNA

<213> Homo sapiens

<400> 9278

ccaatttaaa ttaaacttcc tttaatgaaa taaaaaaca atggtgcatt gcataatatt 60
tgtggtcaca gtataaaaca atacaattag ttcataaac attggatatg gacaaaaata 120
cacaagatcc tttctttgtc tacggaaaat tctgcagatc cttatgtgcc acacttaaaa 180
agaaagtcag cgttttctct tctagggatc tgcacacata tttatcactg anaatttggt 240
caaacagtgg agganaactt acccaaatcc cagttccctt cttcctctgt tgtcatcggt 300
gaagctaaaa aaaagttttc tgaaagtagc aagttgtgta ntattgctta ttattcctgc 360
caaaaaggct cantctttgg ctacacagatg tcngtgacaa aatcatggct gcaggcagtc 420
tgcaaancaa gaaacaaggg ccccggggaa acaaacnaaa gtctgggcag gaaggggccc 480
tctnccaaaa tctccgggan ccccncaa at ggtaagggtta aggggggaaa aaacncc 537

<210> 9279

<211> 339

<212> DNA

<213> Homo sapiens

<400> 9279

cctttttaca aaaacatgca tacatacaca gggatatggtg ggtcctaaga aanaacacac 60
acacgcctca ctacacaca cgtcacaca cagcctcac tcacacacat gctcacacac 120
attttccttc ttgaccccag gcctggacce ccaaaagcct tgaaaacttt gccanancag 180
cctccctcc tccatgtctg tatcttctct cccacccctt cccctcagt caggctattc 240

ctatgtgggg tgggaatcaa aactatggtg ggggaagccc ncaaacaaaa aaaggtcccc 300
ccaattgggc antnggccca ggggtccan gggatatnct 339

<210> 9280

<211> 413

<212> DNA

<213> Homo sapiens

<400> 9280

acatttgta ngttctcacc agcaagaatt ctttgaaaaa tcctggtctc agattttacc 60
ttaagaactt gccacattca gtacatttag taaagtttct gtcctctatg gtctanctaa 120
cggngtatta agccttgaac aaaaactaaa ggntctgcta cattcattat acttgcaaag 180
ttttctcca gtataaatta ttgtatgtct tacaagggtt ttaatgctaa ctgaacactc 240
tgccacatta attacatgtg ttagatttct ttccggcatg aaatctctga tgacgtacaa 300
natatgaatt gtcgcggaag naatttgcca cattcattac atttgaaatg tttctctcca 360
gtgtggatcg catgacnana tantgaggct tgaacgcata ctaaaanctt ggc 413

<210> 9281

<211> 452

<212> DNA

<213> Homo sapiens

<400> 9281

cctcganatg aacatcatcc tttaatatgt gccttttcca tttcatcaca aagaatatta 60
aaaagacgtg tacttaaggt ctganattta ataaaattaa taatttttac tgcttcatca 120
aaaacattct taagtcaaac tggcatttta ttgtaagtgc atgggtggtga aatatacaac 180
tgctagtata atttggcacc acttccttgc tttgtgctaa ggncccaaca gtttcacca 240
cctttgcttt ggtaccattg gtgcaaatgt cagcagggtg aaaaanacaaa actgtattag 300
tattattata aaaatagttt aaccttgcan atgctctaaa aagatctcgg ggaccactcc 360

cagggatctg caggtnacac ttaaaaaaac cncgtctcta ttgccatat gctgccaact 420
gtnactcntt tatcccaaaa tttnttcctg aa 452

<210> 9282

<211> 381

<212> DNA

<213> Homo sapiens

<400> 9282

gcagaaacat gtactttaat tcacattttc tagattctgg tgggtacaac agtaaattat 60
ttggaattct gttcaaaatc aaagctgcac ctgtagatat tccttaaaat acagtacaca 120
tagatttgtg tgtgtgtttt tttaccaa atattccacg ataccatgca cctaattctgt 180
gtattttggg gantagctat ggtttctgca ggtacctcag ttgcaaact actgaaagg 240
ttactgtgaa ctgttcccaa attttcagct gaaggcaatg ctgatnaaaa tcaaaataac 300
tgtcctttct tatatacagt ggcacatagg cnaagttgaa aaaacatggc aaantttcat 360
atacttacng anattacaaa t 381

<210> 9283

<211> 447

<212> DNA

<213> Homo sapiens

<400> 9283

ccaaaaccac acagcttccc tttttattga tgctcaagaa gtgaacttta aatgacattt 60
cataagcaaa acacaaatga aaacacctaa tgtgcatgta tagtatatgt aaacatacat 120
agtatatgga ctcaatcatc ctcatctaaa tataaaaaga acaactgggt ctttgacctc 180
aaaaataaat tcaatgttgg cattactgtt ttttaacttac agtgttttat atttaacagg 240
aaaaattatg aataaccaag ttgggtgtgg tcatggattt catgttaagg tataaatana 300
gtttttaaga aataatctgt ntaataaaat aantttactt ttgaatcgca gtacagtcac 360

tnccttcaat caataaaaat atcccttgat tacaaagcac cttattttgc aaatgtnttc 420
aggaaaatan ctctancatn ttgaaat 447

<210> 9284

<211> 361

<212> DNA

<213> Homo sapiens

<400> 9284

cctcaggacc caataaattt tatttcaggt ggggataagg gacaagcaat gtnaaaacag 60
ggaaggaaan aaggaagtct ctatnttctg aaggactgcc taccctactg ttganagtgc 120
cacattctgc ccttttagca attttaatta atttttacta ggactttggt aacaccacan 180
aaaccctgtg gcttctgtt aaaatgactg tgttacatgc cttattttta ttaaagtgga 240
atttaacaaa tacttttatt attttgaagc atttcatcna ttctcggtgg aagcactaca 300
tcatcgaatg ggaaatcnac naatgaaaaa tgaaaaaaa gattatcent tcccagtnag 360
c 361

<210> 9285

<211> 336

<212> DNA

<213> Homo sapiens

<400> 9285

actttttgaa agtttcattt aggtgctatc atttaaaaaa tcagaagata tcacttaaga 60
atccagcatt ctagtttctt tcgaaaaatc agaagatctg gcaacactag gccacattc 120
cggcatggca acaaccagct anagcgggtgc tggctgtnc cctctgtgg ggcttgtgct 180
ctggtttctg aagtcctaac cctcaccagg cccaactgcc acctacgcca gctgcatggc 240
ccctacactg tgtctctgca cgaggcagcc cancangaag gaacaanagt ggggggtgatg 300
agaggttgct ctgttcagcc ctccccacta cccaca 336

<210> 9286

<211> 519

<212> DNA

<213> Homo sapiens

<400> 9286

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canaatacat ttctttctta atctttgtga gtacatacca ccatactggt ggcaatggcg 60
gtgagagcct ctgtggacca ggggaagctg tgggtgtgagt tccatgctag ctctataagc 120
caggctctgg ggcagcatcc aagacgctct gtattanata ctgaccagtc tcatgtgcc 180
ctggtgagga ngaanacaac gtgcttttcc caaagggcga tgatctcccc aaatgatgac 240
ccttctcagg aggcagganc gctttcccgg aataaccttt tggtcctta ttcagctgct 300
gcagcanata ctcatattt accaccaagg atctctgact tcatggaan aatggcaact 360
gtcttctccc gctttttcca nctnggcaan ctctgtgttc caggcaaccc cctgcatgg 420
tcacctgttg gtttttgtcc aaaaatcanc ataattnttt gactgttgcc cctcccaatt 480
gaaatggcnc cctnccncc actgttgaat ttttctga 519
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<210> 9287

<211> 452

<212> DNA

<213> Homo sapiens

<400> 9287

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ccattcanaa agcctatact tggcctgttc tgggcctgat tanaaatcat aataccttct 60
caacgcttca acnacttgct gtttaacagg ggaaaacaca ccccaaagc cctgcgtgtg 120
tcgcacaggc atgctgcctt ggcgatgctt tatggaactt ttttaaaact acgtctgcaa 180
tgtctgcccc ttaaaaaana aaagctgatg ggcagcaaac tgcagccatt tctccatctt 240
ccttcgcttt cccacccccca tcctgggcag ctttcccctc cccccaatct cctggagggt 300
gtggcattaa gctctgcagt tgtgtgcaca ttcaagtgtt tatggcaaaa actggggaaa 360
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aaanancaaa ttgtttccaa gctaganctc ccatgttgca actttgcttt anaaaanact 420
tccatctggg gaaagctcat attctgatga aa 452

<210> 9288

<211> 483

<212> DNA

<213> Homo sapiens

<400> 9288

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ctcactgcag cctcaaactc ctgggcccaa gagatccttc cgtttcagcc tctgagtag 120
ttgggaccac aggtatatgc caccacgcat ggctacattt gttttgtttt gttttgttta 180
agagaaggat gtctcactag gtttctcagg cctgtctaga actcctggac tcaagccatc 240
ttcccacagt ctcccaaact gctgggatta cagggtgtgag ctactgcacc aggcagggtt 300
tttgtctttc tgtgagggaa atgtgggaga gacagggaga tgttttctat ttttggcctc 360
tgcaagcttt aatatatttt gctagaagct gttttagtgt cttgagtact ataatgatga 420
ctgtttacac atagtctctt tagtaatcta aatgtctatg tgaaataana ntccanttgt 480
gcc 483

<210> 9289

<211> 432

<212> DNA

<213> Homo sapiens

<400> 9289

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tgagtagctg ggactacaga tgcccggcac taagcctggc taatttttgt atttttagta 180
nanacggggt ttcacatgt tgaccaggct gttctagatc ttctgacctc atgatccgct 240

cgcccttggcc tcccaaagtg ctgggattac aggtgtgagc cactgcaccc agcctaaaag 300
 tcattttaat ttgtaagata tgtttactgt tttaganana canaagctaa cttttcattt 360
 tcaaggactg ctgaacaatc atccatgaat tcttgaaatt gaataacang aaactgttnc 420
 ttgtttttcc aa 432

<210> 9290

<211> 499

<212> DNA

<213> Homo sapiens

<400> 9290

aaacaaatta actttattac attgctactt caacttcagt ccttacattg atttgttttt 60
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 gggatgcata gtgctggana cattcaacca acttatcttc atctgttgcc tactgttgta 180
 gacaaaattt gacacacaat tagcatcact gaaagagcag ccaaactacc tcggaaaaag 240
 tggcaaaacta ctggaaaagt agcttaaagc tctggaccac tcaccnnna aaaaaaaaaag 300
 aagaaaatnc cctgtttatc tgggagctag cctcattatg gcaatgaaat ttatctacta 360
 gtcataanaa caatttttaa aatatcaaaa ntccaggga ccttcctaa cagtttttgt 420
 tttgtttttt ggaaacaaat cccctctgt tgcccaggct ggantgcaca ggggnatntt 480
 ggntaactgc anccccccc 499

<210> 9291

<211> 414

<212> DNA

<213> Homo sapiens

<400> 9291

aattcaatat tttattatag tccacgtata aagataattt tcatgagggt tacatgatgg 60
 atagctagca aaagaaatat gctagcacag ggtggtaact gccaaactaag catgcactga 120

accaacagac tacttcagta agtccttgat tattgccagc ttttctataa tgttcagggt 180
 ctcaaaggtc actgaatitt ataattatct ccaaacaatt ttcttcatgg tcatttaagc 240
 tttgtctaaa cagctgggtg tgttgccaag cgacatcacc atctcctctg ctttaattctg 300

 cttccaaaat aacttcagtg gcaccagaaa aaatcancat aggantgaaa actgttatcn 360
 cctgtcagtt ctacttgtgc tgtatcaaat cgcaatttcc atnctnctgt tcca 414

<210> 9292

<211> 521

<212> DNA

<213> Homo sapiens

<400> 9292

ccagtgctta tgacattctt tattcaattc acatagaaaa gcatgcagta ttaatgtnaa 60
 acagtacaat attaatgtna aatgttcagt gcacattaaa cagcatacaa acccattttt 120
 aaagacctat ataggnatac caaatacgtt tagaacaata cactttttca naggctaaat 180
 taaaaattgt gcttacctct tacctatctt caccctctca acactcttca cagaaaagtt 240
 ttgtcctaca taaaanatat tctatcagcc aactgaaacc tctttttctt aagtatggaa 300
 aacacagcaa gcaaaaatgc taccatgcat agtttccaca aagaacagga acatgcaaac 360
 aagaaacata ctactcaaaa gaaaactccc ctggaatgca agtggatcaa gaacttggcg 420
 atgaagctct ttcaaacctg ttacatctgg aacaatgaan ctatgangtt ttaggtccnc 480
 taaaacccaa gtggtcnag gcctccttcc ntagtatggc c 521

<210> 9293

<211> 465

<212> DNA

<213> Homo sapiens

<400> 9293

aatgggcatt gtgaatgaaa atatgtaatg tcaaccttta ctttatggta tcttaggttt 60

gtctttcttcc ccttcatagt tttccccttt gaggataacc cttcaagctc aaaagggcac	120
aaaagctaaa acgttattca cgtncaaaat accaagtata tagctgttct gcagtttgat	180
acagaacaaa agaaaataac ttttctaatt aaatccctca ttctgtactt aggccagact	240
<hr/>	
ccatccccac tacagtttta cttgtattaa caggttaaga ncaatctagg aacatttggc	300
aaacaagtac attttttaca tggaaaaaac tcaatcaaca tcaccattct ctggtacaag	360
aaatacaaaa cacatttcct ttaaaaaatc ctcccagtc tgaagtntct tctaagcttc	420
ccanantatg tcctaagctt tataaataat aaatctttca nanat	465

<210> 9294

<211> 557

<212> DNA

<213> Homo sapiens

<400> 9294

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ggaacacaat ttcataataa gtttccacta tcataacaga gttgaccagt tattcagatt	120
aatccatgta aaacctgata acccataaac ctttttctct tggactataa actcatagaa	180
ttaaacaagc acatcccttt acttcttggg ggggaggccc tcttcattga actttganag	240
gctcaggtca ctaccacaca tggaaaccta agagtaggag ttcgggtagt atggctcaat	300
tactgctgag ttaccacttt tgtcctgctt ggccaaaagc gctaaatgga agagtagatg	360
aaaaagacac aatgcatata tttttcattt ttcaaatac ccttttactg ttcacatttt	420
aaatggagac aaacaccccg gaaaacnaag aacacttatt tgccaaatcc ttttcccaac	480
nttaagaccc ctttgattcc ctccattact cccaaatggt tgttttcna aaattccnnt	540
tccttacaaa tcctgan	557

<210> 9295

<211> 592

<212> DNA

<213> Homo sapiens

<400> 9295

gaaaggcatc	tatatataaa	atctttatta	caggcagtat	tggtccatac	actaacacaa	60
taccaacagt	acaggtttta	tctttcaaaa	tcatcattta	aacagcaaaa	gaccaagaaa	120
taaaatttga	gtcaattatt	tttcaaaaata	ttctcaatgc	acattatect	taattccctt	180
attatagtga	aacatacaaa	tacagaaaaa	taccccatit	aacaaatact	agtgttaa	240
ggttatttgg	cttaaaatct	gagttaagaa	aatccitttt	agcaacctac	atacagataa	300
gtagcaaact	ttattatatt	aaacaaattc	attctgctaa	aacatgtaaa	gaatttcac	360
catcatgtat	tctgatecca	gtacaagtgt	ttattctctt	accgtcacga	ttcttatatg	420
aaggaccaac	tcaaagantt	gtcctagata	taaccttate	ctctcccaa	cacacttcat	480
ccaaaantct	gttcaacaga	tggcaaccgg	gttgcatcac	ttcaccatct	gatgccattg	540
gtcccgana	acgtggccag	gcctgtgaaa	naccattcc	nactacngtg	gg	592

<210> 9296

<211> 487

<212> DNA

<213> Homo sapiens

<400> 9296

caaagccg	caatcatctg	cattttattt	gcacctcatt	tgcaagttgt	taatttgcaa	60
ctctgtcct	tccactccag	gttccttctc	tcccatcacc	cctcaaattc	cccagtggcc	120
cagnaaaaa	tatcttggtc	tttgccaagg	tanactcagc	cttgtcagca	ggcctgtcct	180
gtgttctcag	gggaggccct	tacccaagc	cacaacaaca	gcaggaatcc	cgagtaanac	240
gccaccttga	cggcagggaa	ggctggatct	tttcacaggg	caaaactgat	ttgatnaggt	300
gaacagtaag	gtgagcaaan	gtgggaaagg	ccagtggggtg	aatgcaggaa	cagcaccagn	360
anctagaacc	caactctggc	ctgtgggctg	tctcccggtc	ctcaaaagcg	gganngggtt	420
ccccaccac	caccactgtt	tccccattat	tttctggcat	ctccaaacnc	nggaaaaacc	480
caatncc						487

<210> 9297

<211> 305

<212> DNA

<213> Homo sapiens

<400> 9297

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acttcctaa aggaacctgt gatgcaaggc ggaataaaaac ccctgattca tgtaagaagg 60
ctgatgtaga gcagtgggtc tcagcccagg gagcccagta gattcacctg gggagctcaa 120
aaccggctgt gtggggctgc agcccaggcc aagaaactca gcatctccgg catagtgaga 180
agggggctct gtgttgagga gtacaattct ggattcaaat ctgtcaccta gtgggtatgt 240
gaccttgagc ancttctaaa ccgttttgaa cataatctca tctgtgacat gaaggtntac 300
tcnct 305
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<210> 9298

<211> 442

<212> DNA

<213> Homo sapiens

<400> 9298

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acaatagaaa aatattgttc actggtttat ttttccaaat gagcatcagg ctatttacia 60
atacgcagcc ctccaatgac gtgtattaaa atggcaagtc tatcactgtt tgaaatctaa 120
atgaaaacaa atttattaag gcacatttga tctganaatt taactttctg gtataatgac 180
agattcattt cacttttgtc cccaaaacac atgagcacca aaattgtcaa agaacactta 240
atatttagta aaacagtaag gaatataaaa attaaggagg ggaaaaagcg tttccnaaag 300
gaaatctttg gagatcggtt tactgcaaat aaaacagact aaacaccctc ccgatacaca 360
taaataatac taactaacag gtctcaanaa tggcgaacct ctgaacacnn attttaatta 420
atttaanggt tttcccaatn cc 442
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<210> 9299

<211> 533

<212> DNA

<213> Homo sapiens

<400> 9299

gaagaataac aattgagttt tattctttaaggcattctc tgatttacat ganaattgag 60
 aaactgagat gtatgatttg tctgttagtc aatttcacac ctttcattc tcataagccc 120
 caaattttgc tcagttaagg agcttgcttt aggccacct atgtaagtct gttatactag 180
 ctaatgtgcc catttgaata gttcaagggt cagctaattgc tctgagcttc atggctccag 240
 tataaanaac aaatttaaca aaattaagct gttactgtag ccgaattacc cttctgctcc 300
 acacatatgt nttgggatct tgcaggattt ccatagtgcc aattatcaaa ggccttgact 360
 acttancatt gctgtattac agatgtncaa actgaggcct gaaaagtcca atttaaagtc 420
 ntattgaagg gnccaaaaag gaagcttatt ttggggcttt ggccatttta cctacttacc 480
 taaaattgct gcnaaacacc ttttaaactt ttcaaatttt ttgacggttt nna 533

<210> 9300

<211> 430

<212> DNA

<213> Homo sapiens

<400> 9300

aatcattgag tgttttattg aacaattaag aaatgtntaa ccatttcatt actttacaat 60
 agtaaaactg anttgtaact ttttctgtga atatgcgaat ttgtatttga aaganttttag 120
 acttgtattg aatgagatgt atcttgacta taaagtgttt tctttttcag tacaaaatat 180
 acaaaccagt acatgtttta aacataaata taactgagaa taggttatgc ttctactcaa 240
 atgcacttgt ggaaagtacc attcatccgc aaagacactt ttaataagct ttgacaggaa 300
 nacaaactcg acagtgttgt cagattttct atttaaaatt acatttatat taaccccnac 360
 ctttcatttt agcaaaatgg tttatggntt cntcnacttt ataatatatta caaagttaaa 420
 cttcnactcc 430

<210> 9301

<211> 473

<212> DNA

<213> Homo sapiens

<400> 9301

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caagttattt ctatagcana catatTTTTg aagtctaccc acccctgagt tcagcaatta   60
tactttgagt gtaaaattat atgcccttaa ttaacaacat gtacaaagct acaaaatgtc  120
atctatacag attaaaaaca attttaaaat attatttacc aattattgat tgaatggttt  180
tactggggta cgtatttcaa acctttcagc caactggctt tcagttttaa gcccaaattg  240
attcatatat tcaactgcagg atatttcaaa aagagtgcaa caataaggca ttagtaaaaa  300
taacattgta gtanaaacan attttgcata tgtgaaaagg taatttataa aatacattaa  360
tcacttttta aaaagaactt antttagta tcattaactc ncatgggtac tgaaaaactg  420
gacctttcac aatttttttt ttctataaaa anttccanct acctntaagc aaa          473

```

<210> 9302

<211> 482

<212> DNA

<213> Homo sapiens

<400> 9302

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cagtagcttt tcaagtttat ttaaaaaagc agaacacaca aaaatacata caacacccca   60
gataatgtcc ttacagaat cccagtatgt ncaacagata cagcagancc tgtctgttgg  120
aaggtgggag gccctgcagc cctgtctccc tgcctcctgc tctatcgcca cccccccact  180
gcagcctaca aggttcctaa ggtacttttg gaaaatccta ggcctctgag gaacagtttg  240
aaanactact ttagaaaatc ttcaagact aacgttcaac tctatcctaa attataagat  300
aaagaggttg atgacaaact ggaaatcacc ctcntgcaga aaaaaacaaa caggggtctaa  360
agcacctan ggagaacaca atgtttctca aagcacaag acctnagct ctgagccccc  420

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tcctgtntta cctggggaaa tccttaacct tctaggcctt anctnccctcc ctnttgaatt 480
ta 482

<210> 9303

<211> 538

<212> DNA

<213> Homo sapiens

<400> 9303

cagttgtaaa aaattgacat cattattcta aatgttatgt ggaatcacag gaagaaacat 60
cattgcaatc attattcaaa gtaatattaa agataacata aganatgttt ggtcttaaatt 120
gtcaatttga atgtatagtg tctacaataa tagatcaaag agaaagtaag tataatctgta 180
ataaaaacaa gaaaaaatga gttgcaaata ctgtattcta caatgaaaga anaatgcaga 240
ttaaggataa aacagtcctta ccaactagge cacctttaag gatcattttt cagggtagct 300
aaaaggagta acaataaagc tctacacata taactaaaat gtttgcaatt aatctantcc 360
cagcactttt atttgtagag ttctcaaate aaaagtaaca aataattata cctcngggat 420
tgtaggaat accaattatt ttacaactgc ccctacntgt ttctcctccc tgaccaagtg 480
gcacaaatcc agcctgctgt gtttaataca anccctncc tncgtcaana actccttt 538

<210> 9304

<211> 480

<212> DNA

<213> Homo sapiens

<400> 9304

gtatttaata aaatggcaat ttgtaaattc tggatgaatac tcnaaattgt agctaaaaac 60
agctatctga atatagggtt aaaacctcna agacacagag ctaagaaata tggaatacat 120
tgtatattgc tttttcaata gagtagacat aaaattgatg acaaattgtt ccaaaccctc 180
aataagaact caaaacatca tactatgcc aagctgaatta cagaagggtg tctaagaaag 240

aanacagtgc atcagttatc tctagataaa gagccagtaa aatcaagttg catttgatgt 300
 atacatctta ttgggagtag ttttcagaaa gcaatttccc tacaacaga aaaagcattt 360
 ttttttcta tttcagtctt taacantgtg gtctcccata aaaaaaatg actacttgaa 420
 aataanaagt ttttctacc ttaaaacttt nttanggggg ttnaaatagg aaattgtccc 480

<210> 9305

<211> 513

<212> DNA

<213> Homo sapiens

<400> 9305

cgattcaatt catattttat ttagtacatg gctgatgttt cctgtgaatt tgtgaacatc 60
 agtgggaaaa atacatggca ataaagtaaa attataaaat acagtanaan attatggttt 120
 gaggtaatac caatttggat agatttttagc aagtaaaaaa tatacaaatg aagtatattt 180
 atatacccaa gtcattaaac agccctttat ttcttgagct ataattttaa tgaggggaat 240
 gtgaactaag acctataagc acatagctat gtatagtctt cattgtggtt attacctttg 300
 atggagactt gtttttcttt taagcctttt tctcccctgt ttgatccttg aagtccatgt 360
 catctcttga tagtactgca gacagctggg tctgtgccaa atgctgtagt agatgtcatg 420
 atcctttccc tctttatcat tccattcact ttgggattca tgnntccac aaatattatc 480
 natatttaca gatggcncag atgaactccc tcc 513

<210> 9306

<211> 563

<212> DNA

<213> Homo sapiens

<400> 9306

aatgaaaaga aacatttatt tacactttgt acatatcgat tccaacaaac aataaaaggc 60
 ctacacatca gtataatcat aatatatgcg aacttccgat cttctcacac ttgacagtga 120

tctgatgctt tcactcctgg ttctgatatt tgatTTTTtg aacagccttc ttgaaaatga 180
 cctacacatg aaaaagtaaa ttattggatc caggcaaaca ttacacgcag acaagaaaag 240
 tgtaatttct ttgcagtaat ataggatttt ttgtgcagat tcatctaaaa gcctgtctaa 300

gtgactaaaa gtaaaaggaa ttctgcacaa gtgatatggt agaaagcagg tnaaaaacac 360
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 ttgcctgctg gatttgtgga tgttctggat atggctatgt tacatccgat cagaatccca 480
 ccacggcaca aacaancact gttcccatag gttactgccg tatgcccttt gancccaaaa 540
 ggacttttaa tttttgaacn atc 563

<210> 9307

<211> 510

<212> DNA

<213> Homo sapiens

<400> 9307

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 ggattacggg tgcccaccac catgcccagc taattcttgt atttttagta aaaatgggggt 180
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 cgttaaagtg gaaaaagcaa aatcaaaaaa ttagctntca attcgTTTTt aaaaccncac 480
 cccantgggt gccaacatt ggcattttcc 510

<210> 9308

<211> 437

<212> DNA

<213> Homo sapiens

<400> 9308

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tataggcgcg caccaccaca cctgtctaatt ttttgtatit ttagtaaana tggggtttca	180
cgatgttggc caggctggtc tctaactcct gacctcgtga gctgcccggc ttggcctccc	240
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tnctgattta agacctgggg gtccatcaag aatgacaaat gctcccggct ctggggcggt	360
tcccggccaa tggaagaaaa accacttgn aaaaaaacat gctcaactcn aacaggacct	420
gaacatnaa aaaaaat	437

<210> 9309

<211> 556

<212> DNA

<213> Homo sapiens

<400> 9309

ggaacaanan attttaactt tttatggcaa aatttactgg tgtcaattgt attttaattg	60
aaaggtcaac accatgttgc tgtctctatt ccactgaaca aaaatgactt tgaaatanag	120
gaaaanaata gccagtttta actggcgana attttttaaa atcacatttt cacaacacta	180
caacatatgg anatgtinnac agttagtctt taacacanan tgctgtagta ttttatactg	240
tggtgcttgg ggaaatatc ctantgaata accggcagtc tgtgcaggaa ccancagtcc	300
acacttctag gtntaaatat ggaggaaaan cttctgctcc cgctcaana aaagtggact	360
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cactctgttc taccttcata atttntctt cacaatattc tttccgccag ccattccaggc	480
tcctgccant tattaacttc cncaaaataa tccatttnc cctcctccc cctnanaaag	540
gactnctttt aanttt	556

<210> 9310

<211> 513

<212> DNA

<213> Homo sapiens

<400> 9310

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ctggctaatt ttgtttttta atgagaaaca tctgagttgt acatatcaca aacagcttca   60
agtttctgta ccaacccccccc gccccccaccc ccgccgtggc caaacagtta aaacccaaag  120
caaagcatca ctttgatgt gaaaaagtct tanaaaatta acttacaaaa acatccctat  180
caagtcggta gtttggcatt tactttacat tagtcaaaag ctccagctaa aatctaattt  240
ttttaaaaaa aaatcgaagt ttacattatt catacagatt gggcattggt aaaaaatatg  300
cacaataaac cacatccatg caatataatt tctttaaaaa tttaaagcna tataaaagag  360
caganctagg tncatgaacag aacattttgg tgtataaccg gcagctcaaa attgccagct  420
gattggaatt aaactgaatc taacgtttta aatatgaatg atgtttcctt ccactaangg  480
tgcccatnat ttctgaaaca ttccagggtg aat                                     513

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<210> 9311

<211> 458

<212> DNA

<213> Homo sapiens

<400> 9311

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acatttgcct ggttttttatt gaggatct ctcacgacaa aatcatgaat attacactga   60
aaggnttatt acattatctt tgtgtagtta ctctcctgta taaaccctgt gatgttccgg  120
ttttgatgcc tgggtaaaag ctttaagcatg cacgttacat ttgtatggtt tcatcaaaaa  180
agtttttgat gcctagtgag actttggcct gcggaaaatc tctatcacat ataattatta  240
taaagtctct ttagtatgga ttctctgatg ttgatgaatg tttgaagtca taatggtttc  300
ccactcncag tgtttttggt tctctcaagc atgaattttt gcaatattgt acaatgtgag  360
aattgtgcca naaanaactt gccacattca ttacatttgt tagggttctc accancaaaa  420
aatcctttga aaaatcctgg tctcaaattt taccttaa                                458

```

<210> 9312

<211> 464

<212> DNA

<213> Homo sapiens

<400> 9312

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ggtaatgaca gggctcttgct gtgttgccca ggctggctctt gaattcctgg tctcaagggg 60
atccaaggaa tcttcccact tcggcctacc aaagtgcctga natttcaggc gtgagctact 120
gcacccagcc agtcacttac aagtgtgtct gatttccaca tatttgtgag tttcccaact 180
tttcattgtt ttctaacttc atcccatgtg gtcagagggc atgctttgca tgatttcagt 240
ctacttatat ttattaaggc ttgttttatg ctttaactta tgacctatit tggagatgtt 300
tcatatgcac tcnaaaaaaa tatgtattct gatgttgggt ggaaagttct atanatgtct 360
tttaggtcaa ttgacctat aatgttggtc aagtcttcta tttcctgggt tatctnctgt 420
ctaggtgctc tattattgaa aaaaggggtt ttnaatatcc canc 464

```

<210> 9313

<211> 524

<212> DNA

<213> Homo sapiens

<400> 9313

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aattggaatc agacatttaa tggcataaaa acattgcata tatggctttg ctgttccgaa 60
tgtcatgaac ttaaaatcca aatatgacat aagcagtttt aagacttatt ttggccagcc 120
tccccaatcc caaaggagat taaaagtaa taatgtaaaa aagttaaggt caaggtgttt 180
taaaatcaac atctcagcta atgactaacc ctttgtttcc tggggacttc tgctctactg 240
tgaaaactgc tgancettaac ccgctgttga acaactgggt agttattagt tccctgggtg 300
attgtccctg aagttaagcc atgctctggg gacacatgag gcactttaat tggggtagtt 360
actttttcca gggtgggtac aatgtttggc tctcaaaaac aaggtaaaca gtttacagtc 420

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aaaaagaatg ctctgtgaat gtnnccctt gggatcaagg gttgaaatct taaaattttc 480
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<210> 9314

<211> 485

<212> DNA

<213> Homo sapiens

<400> 9314

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<210> 9315

<211> 469

<212> DNA

<213> Homo sapiens

<400> 9315

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<210> 9316

<211> 332

<212> DNA

<213> Homo sapiens

<400> 9316

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<210> 9317

<211> 495

<212> DNA

<213> Homo sapiens

<400> 9317

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ttttggggcg gctgggtttc tccagaggct ctggctgctt ccgccccttc cccactggcc 360
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<210> 9318

<211> 336

<212> DNA

<213> Homo sapiens

<400> 9318

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cagtcacctt tacaaatcgt agttttaccc cagtataag tttgtctaac ctccagcctg 180
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<210> 9319

<211> 437

<212> DNA

<213> Homo sapiens

<400> 9319

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tctcactctg ttgccaggc tggantgcaa tggatcaatc tcggctcact ataacttctg 240
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ctgccaccac atctggctaa tttttgtatt tttagtaaaa anaaggtttc atcaccttgg 360
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<210> 9320

<211> 477

<212> DNA

<213> Homo sapiens

○ <400> 9320

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caaaagttac agaanaacaca gctcaggctt gtaggtttac aggcaatana cactgtaatg 180
acagtgtttt ttttttttgt cagtacttct atatgaatta cgtttcatct tttatttgta 240
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tccattaact tcaggagatt ctgtagcacc tctgattgtt aataggatac acaactccca 360
taggggaata ttatctcccc actgagccaa gctaactgtg agangtatca ccttcccaac 420
cagccttctt cgcgcccttt ctgangcatc gagctgcagc tccaggtnga caatcca 477

○ <210> 9321

<211> 429

<212> DNA

<213> Homo sapiens

<400> 9321

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acacctatca agattaacaa taactcctca atgtcagtc atatccattt aaactctttg 180
taatggagga acatattcct ttaaataa gctttagtaa tcacacaatt taagtggaa 240

aaggtgaagg gaangagaga ggcagagtcc tgcccttcac ccttgtccca gaagtttgaa 300
 aagtttgaaa gtcgctatit taccctgac agttcgaaag tcgctatitit acccctgacc 360
 ctccctttgc atcctgagaa aactgaagg tccananaaa aaacggtaaa tggatcaagg 420
 cataaanca 429

<210> 9322

<211> 455

<212> DNA

<213> Homo sapiens

<400> 9322

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 tactgtant cccagctact caggaggctg aggcaggaa attgcttgag cacagacgtt 180
 caaggttaca gtaagctacg atggcaccat tgcgtccag cctgagcaac agagcaagat 240
 gttttctcag tgcctttctg cttctccagg aagttgtacc cgtcagcacc tgctgagggc 300
 ttgtttgtcc aaaccctgac aggtaaaaaa attcctgtag aataaancca gaccagctgg 360
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 gaagctttgt cccttgatcg tcaaccgtga natgc 455

<210> 9323

<211> 492

<212> DNA

<213> Homo sapiens

<400> 9323

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 atatttatag atgtctacaa tgactcataa aagtnaaatc nataaaggct attaatitgt 180

atttcaacct gaatttgaga aaccaatgaa nattaatcat ttatttgga tctagatcca 240
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 cccaaacatt tcagcatctg taaaaggta tctatttagc atctgtaata agtgatttat 360

agttatatat gcnaaataaa ggttgacaca gctggatcct anaaactcnn attttatnaa 420
 tttaaaataa attaanTTTT tatgccnaa aacaaaaccg gatcttgat tttttttaan 480
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<210> 9324

<211> 497

<212> DNA

<213> Homo sapiens

<400> 9324

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 tctgttgata ccacaaccaa tgcttttccc acganactat acatagatat actaaagaca 180
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 tcctaattaa tctctaacac aacaagctat gaattataga atactatate ttcctactgc 420
 tctccctgat cttattccnc ccanaattc taattgaatg tnaaaagggt cntntccnat 480
 ccttgccac ttggcnt 497

<210> 9325

<211> 457

<212> DNA

<213> Homo sapiens

<400> 9325

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gaatgattaa nataaagaaa tagatcagta atctctctac ttcactaana tgagggaagg 180

gaaaagtgt atgtacaggt caaaataatg ctgaaatgca naatgctttt canaantatg 240
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agtcattgtc ttttgaagg tttaaactgt tttatgtccc aaacacatcc ctaccaggcg 360
tantaagant aatccattaa tgttttcnnt gattaaaagt tgaaattata naatattgtg 420
gaaatntntt tttgcattaa cttttatgtt aatcccc 457

<210> 9326

<211> 378

<212> DNA

<213> Homo sapiens

<400> 9326

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atcacaagaa cagcatgggg gaaccgcccc caanatccaa ttacctccac ctgatctctc 240
ccttgatgtg gggattatag ggattacaat tcnagatgat attttaggtg ggggcacagc 300
taaaccentat cctacnagga atgactgaaa ctaaagatac taatttcctt tcccttggtt 360
ggccaagctg tcntcttc 378

<210> 9327

<211> 451

<212> DNA

<213> Homo sapiens

<400> 9327

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 ggantagtgg tggtagacca atgtgaaaat tgtgccctgt tcactacana aacctgagtt 120
 tggttcctaa gtctagttct ncctgtttga tatttgtgtt acttttaaag cgtcagcagt 180

ttgtcccagc tatgatgtgg taataaaaga ttcaaaagga tttcttcac aagttctatg 240
 attaaaagct taattaaaag caaatttctt ttttttttta attgtacttt aagttctggg 300
 gtacatgtgc aaaacatgca ggttacatan gtatacacat gccatggtgg cttgctgcat 360
 ccatcaaccc atgatctaca ttantttatt ctctaatgc catccctctc ctagccccc 420
 accctganag gccnaatgtg tgatgttccc c 451

<210> 9328

<211> 265

<212> DNA

<213> Homo sapiens

<400> 9328

ataaaaccca catgaatcac tgtggcatcc agtttctatt cacaaagaaa aagctccagt 60
 ccatctttta atttttttga aaaattcctg acattacaga actaaactga aatgtnttaa 120
 tattccactc ttacatttcc atgacaaaca gaaaaattca tgagccaaaa aaaaaaaacc 180
 naaaaaaaaa aaaaaccagg ganaagctta taaaactaaa tatggatctc agcatcaaca 240
 gctgaacana aaaaggaatt aaaac 265

<210> 9329

<211> 397

<212> DNA

<213> Homo sapiens

<400> 9329

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 aggcngaaac aatctgaatt ccatattccg gttcaca 397

<210> 9330

<211> 556

<212> DNA

<213> Homo sapiens

<400> 9330

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 ntacaggcat gcgccaacac accccgttaa tttttagtgg ttagtaaana cgggggtttct 180
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<210> 9331

<211> 336

<212> DNA

<213> Homo sapiens

<400> 9331

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 tcaaactgta tcttcttttg atggaattaa gatgtaactg tatagtttta agataaataa 180

atgggaagtt ggtccaacta agatgacagc agatatatta catgcaggat ttaatatttt 240
 ctaattctct cttttaaaaa aaangatgct gttggattgg gaaaaaaaaa agtctaaaaa 300
 gaaccanat tcaatatata aaaatgtccc ncaata 336

<210> 9332

<211> 446

<212> DNA

<213> Homo sapiens

<400> 9332

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 gggacaagaa aacccaaagt ggnctgcttt tcccaccag gancctatta tcccattctg 420
 tgccactgaa ttaggaaact gactgt 446

<210> 9333

<211> 341

<212> DNA

<213> Homo sapiens

<400> 9333

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aaatcttccc aggttgctat tggattttgc atgttcgaac ctccatcaga ngatagactt	240
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<210> 9334

<211> 468

<212> DNA

<213> Homo sapiens

<400> 9334

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cgccccggcca cacaaggcat ttggcatta acgtatcaag tcttaaaaat ctgtatatca	180
tttgtccccc aaattttatt tctagggatc tgatgcaaag aaatagatca aatatataaa	240
aagcacgtac cagtacagta ataatatatt aaatgtcaaa acattgaaaa caaattatgc	300
cacataaaca tagtgggcca ctgcacattt atttaaaaaa aaagattata naaacttgga	360
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<210> 9335

<211> 499

<212> DNA

<213> Homo sapiens

<400> 9335

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tacagtatca atatagacta tcttgagaaa ataggtgtga aacagaactt ctctatcatt	180
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<210> 9336

<211> 365

<212> DNA

<213> Homo sapiens

<400> 9336

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caggaaagtt gcccnatagc ctgtcccatc tgagggtcct ttacatgatt agatactcaa	180
tatctcagtt ccacaacggt atttacaanac atgttttcaa atatttcgtg tnaatggcag	240
aanggagctg ggagcagtcc ccctgcctcc attacttttt tagctttcac atatgttctt	300
gacttgtaca naaaatcccn aattttaaat gattccccna ctcanccagt tctntnaatn	360
aagcc	365

<210> 9337

<211> 543

<212> DNA

<213> Homo sapiens

<400> 9337

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 cnn 543

<210> 9338

<211> 527

<212> DNA

<213> Homo sapiens

<400> 9338

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 gatcaagaaa gangacatta ctagcttcca gatgccctat catgtggctt cccagtttag 180
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 tgaacatggg ctccctacac cgccctgatt tcaatctgaa atccncagga anaatcccc 480
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<210> 9339

<211> 421

<212> DNA

<213> Homo sapiens

<400> 9339

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ctgaatattg taaattacat ttttcttcat aaaagggtaca tactattctg cacttttcca	180
ccaaaagcag tgggtgtgta tgcttggtat ataaaaaaaaa gttatatcct gtggcaggaa	240
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ttgcctataa gctggaaagt gaacttggtc aatctccatt tacatttttag tgcatttttt	360
gacaattgtc acatttttaa caaaagtnag aaaatgcnta tancctaaa gaatttttcc	420
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<210> 9340

<211> 579

<212> DNA

<213> Homo sapiens

<400> 9340

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cgtcctgctt cctgcaggan gtgggaagg anaaaaaacg gacattcgcg ccatcaagta	180
tctccccagt tttcanccac tatattcagt tgtggaggan gaaactgagg cacacgcac	240
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ggagcggggc aggccancca aggtcaaagg ctaagggtgg ggggancaag aagggtgtgg	420
ctggaagaac actgctggcg gtggggggan tcgcactcaa taagggaccc anctgggggt	480
ccatactgat acattgggga caggcaaaac ctcnctttca aanaggaaat taaggtnaaa	540
accncntct ttgttagaag ggctcctcca ctatcngtn	579

<210> 9341

<211> 407

<212> DNA

<213> Homo sapiens

<400> 9341

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ttgcagaaat aaagctctat tgaaacacag ccacctgcat tccttcatct agtaattacc 180
tggtctgcttt cgtgctacaa cagctgagtt cagcagcagc aacagagact ataaaagccc 240
acaaagcttg aactattttac tgcattgggcc tttccagaaa aaaatttgat gacacctggt 300
atagggacag anaatagctt gacggttgcc acggtaaaag gtggggaang agctgaccac 360
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<210> 9342

<211> 492

<212> DNA

<213> Homo sapiens

<400> 9342

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acaggcttat tactggcctc ctctcttca tctgaagant catcgagctc ccattcatca 60
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tttcgaaaac cattcccagc aacatactgt gctttcatac tttccagtaa tctccagtgc 180
ttctcgaaat gcatggtacg ggtgggaata gcactacact gtTcatctag ccttgtagaa 240
taagtcccag tgaactgata ttctgcagaa tcttTactgt tatatactaa agacaaaggc 300
agctggacca agagtctatc tcttccttca cgtcctacag tgtctttaan aactactgtt 360
acagtttcat catcataaaa ctgtgcatct aaacaactgt agatgcttct tctgactttt 420
tctgttgtgg catatgttaa gctccaaatt taataacaat tantccatta ctencagatt 480
gaaaaaatat cn 492

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<210> 9343

<211> 469

<212> DNA

<213> Homo sapiens

<400> 9343

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tctgcttgat caattctcct attaaaagac tctgatgaat tcttcagtat gccaaattcc 120
anaatttctg ctttattcat tttagttatt tcaatctcta ctaaatttgt ctgatanaat 180
tctgaattcc ttctttgtgt tatcttgatt tttctttgag tctcctcaaa acagctatct 240
tgaattctct gtctgaaagg tcacatatcc gtttctccan gattggtecc tagtgcctta 300
tttagttcat ttggtagagt catgctttcc tggatggcca tgacacttgt aaatatttgt 360
ctgtgtttgg gcattgaaaa nttaggtatt cattgtantc ttctcagtct gggcttggtt 420
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<210> 9344

<211> 449

<212> DNA

<213> Homo sapiens

<400> 9344

atataaagaa aatctatgta agttgaggtt cagaaatgca tatatTTTTT acttacaaat 60
attcatctga ccaaattca acataacctt tatggaacac ttaacaattg tttgtTTTTT 120
aaaataacat ttcatcAAA ctgtatataa ttcagtaaag ttttttatac agcaagcaat 180
gcttaaacc tggaaaatct gtagaaaaga gattttcaca caaaataaga aaagaaaaat 240
ctgaggtatc cctcacacac acacatccat tcattctggc ccatgtacgt gcacatacac 300
acgcatgcct gtgtgttcac acagacatat tcattctcac tcacaaagt gctgcagcat 360
angcaaaaat tgtaggtcc aaaggaaaat gattgattgt tctaataaag antccgagta 420

gctcagaaaa aaaaacaaaa acnaaaccc

449

<210> 9345

<211> 367

<212> DNA

<213> Homo sapiens

<400> 9345

gacagtctca ctctgttgcc canacaggan tgcagtgggtg caatcttggc ccactgcaac 60
ctccacctcc tgggttcagg tgattctcct ccacagcct cccaagtagc tgggattaca 120
ggtgcccgcc atcactcctg gctaattttt ctattttagt aaanatgggt tttgtcatg 180
ttggccacgc tggtttcaaa cccttgacct caggtgattc tctggcctca gcctcccaaa 240
gtccagggat tacagggtgtg agccaccaca cctggcttct ttttaactctg caaagggcc 300
ggtctggcat acagtttgaa atttgctgcc anantcccat tttgcaatcc cnaacttctg 360
gtggaaa 367

<210> 9346

<211> 422

<212> DNA

<213> Homo sapiens

<400> 9346

atttctatgg tagaagcatt tatttcagat atagaaaaat aacactatit cnaaagtcng 60
antnagtnaa cagaagtata ttttttcctt gcatacccat cctcaaagt cnaacacacag 120
tttccagcca ttcttacaag gaacaaatgc aaaattaaag tnataactgt caacagagga 180
gctgtattaa agctacgtat caaccttgaa aatcagaaaa cacaagtga tctagtgcag 240
tgattctcaa ctttagtgtg tatcagaatc acttggattg tggaaaaagc accttcagag 300
agctgaagga aaatcatcag gtcnagcaag cccttggctc cagaataaat atccaagaga 360
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aa

422

<210> 9347

<211> 439

<212> DNA

<213> Homo sapiens

<400> 9347

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atccttctat agtcctgtca agtttaatgg aagtgggttt aacctgatta caacactaac 60
accagtatca ctgatctgat atttacaaaa atttgtatit ttcaataaat taaagtcaat 120
gcaacaccca tgcaagctag agtgctagct gtttggtgaa caaggacgtg acatcagaac 180
aagaagtcta taagtcccaa actttacaag tgtgatcatt ttcaaactgc atccattcct 240
cgcattgaan atgtgaaacc caaacccatn cctctttgtg tgtgggtttg tgatcttgcc 300
atttcatact gagcatctaa atttcgaaat acttcttcct gctgcttcan aatcttggtta 360
ctttcttcat caactgaagc tacatccage ttcattctta ctcttaatac ccatcaattn 420
cctaaatttg anattgggg 439
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<210> 9348

<211> 283

<212> DNA

<213> Homo sapiens

<400> 9348

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ccatttatat cacactttta gtgcacttgg ggtagtggat ctaacatgtc tatttaacat 60
tgctggagtt cccttaataa accctgttaa ggtataaagt aaaacatgca aagcattttt 120
aatTTTtaca atccctataa aaacgancta aaagagagcc aaaatgactg gaggtaaaaa 180
tgtaacttaa acgantgata tgacattaac tataatttct gaaatctgga aaaatccctc 240
aaaattgggg taaaaacttc cagtgcana gtagattttg ana 283
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<210> 9349

<211> 366

<212> DNA

<213> Homo sapiens

<400> 9349

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aagetgaaaa gacgctcatg anaccaaggg ganggcaggt nccaaaggca agggctgggc   60
cctgancttc tggcttcctg gtgcctgta catantaggt gttgactgga ttgaggacaa  120
aggaaaatan aattttcnaa gggattaggg ctaanactcn aaaaaaaact gcccnaggtg  180
gattcttgac tgtgccaaan ctgaccgagg tctgtccaan acctaaggat gctacaaggt  240
gttcatattg ancatggggt gcccgagggt gtctgtcaat cnaaaaaaaaa aggctgtnac  300
tggaagaaa attataantt tnggaaaata ccaaatngga acnggggaaa gggactgcca  360
tntccc                                           366
    
```

<210> 9350

<211> 535

<212> DNA

<213> Homo sapiens

<400> 9350

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atttnnngag atggagtctc actctgtcat ccangctgga ntgcagtgat gcgatctcgg   60
ctcactgcaa cctctgcctc ccgggttcaa gcaattctcc cgcctcaggc tccaagtag  120
ctgggattac aggcatgcgc caccacgtcc gggtaat tttt tgaatttttt agtatanacg  180
gggtttcacc atgttgacca ggctgggtctc aaactcctga cctcaagcga tctgcctgcc  240
tcggccccac agantgctgg gactacaggc atgagccact gagccccggct tgcagtgtgc  300
ttttagacaa cagaacaaac agatgatatg ggaaaagggc tcggattcac ctggcttcaa  360
atcctgggtgc tgacacccat aactctgtng ccttggtcac ncctcttata ctctctgaaa  420
ctcagttctt tcttccaaac atngaagana aacctccctg aagggttgc tctnaagctt  480
aaataataaa taaaagtctt ggcncctgggg ctnantnta cttggtgccc caaca      535
    
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<210> 9351

<211> 356

<212> DNA

<213> Homo sapiens

<400> 9351

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gacctggtgc caaaatgaaa gctttaatga gtgttactcc tagacagtca cgtctcagct   60
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gggtagggat ctggagtcta aagagcagag ccaggcaaaa ggaggtacag gaagcccccg  180
atgggggctg ggctcccgga gtgtggtgct ggggggtcat gggttcagg ccggcccctc  240
ttcaggcatt cctagcaaag ccaccagggg ctccanggt gtgggggtcc catgggcaca  300
nggtgggtgc tncatgcttg cgcaagtcgc tggcactcaa naangccttg gganna      356

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<210> 9352

<211> 563

<212> DNA

<213> Homo sapiens

<400> 9352

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gggggntgat acagaattta ttgaattana tttttctatt tacaactgaa atnacatcta   60
catactatth tgctantcta catgggtnc aattttccaa caagcttaan anttaccatg  120
aatgggntca ttcatacaaa aacacactca cactaattct tttaaaacag tagtgcatac  180
attatactcc tcctataaag ccaactttga ttaaaaacca ctantttcaa agctcagtct  240
ctgattttga anatgaacca agatatacnc catatgatcc tacaatctat tttagtcatt  300
ttgtncagct gctatcttat tggactacag taaatatttt ttaaaaggac accaatgang  360
ggcaccatct ggtgttnacc ttaaccanaa agctggtttc ctctcctcc ccccaaaaac  420
tttgggcaan aattctccnc tgnaaaaant gaaaggactg gtgactttcc gcatcatcct  480
gtttcccttg gaagttacaa aaacagggcn tgttcccctt aatcnacccc ctactnaanc  540

```

ccantggtcc taaattnaan ttc

563

<210> 9353

<211> 372

<212> DNA

<213> Homo sapiens

<400> 9353

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 cttaatatatt cactatgggc cctcaaaagg aaatgtttgt ggggccacca aaagcaaatg 180
 tctcttgaac ctantcacct ggggggacaa gtgtgggaaa gtgcacctgt gttcccatga 240
 naccactca agaggagcag aaatcctggt ttgctatttc cttaattgct actaaggctg 300
 ggattttttc atgtttattg gccctctac atttttttct ttaaaaaaat tcncnaaacn 360
 tgtttatatt tg 372

<210> 9354

<211> 442

<212> DNA

<213> Homo sapiens

<400> 9354

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 ccaccacat gggcctccca aagtgtggt attccanaag tgagccactg cacctgacct 120
 gggcctattc ttgaccttc tttttgtgtc tcagtttctg tatctgtaaa atggaaataa 180
 caatacctac ctctgaaggt tgtgaanaaa attaaaatga gaatacctat aaagcactta 240
 aataaaataa ggcctagtac atagtatata ctctataaat ggcatctgct atgattataa 300
 ctattgttat taatatctaa tgttctctat tattctccaa tacaatcat ttgatgttat 360
 tttggcccg ttcctgcatg atctcttctt gcttattccc cccctaccag nanttcattc 420

ttnattttc acctcaacta ca

442

<210> 9355

<211> 613

<212> DNA

<213> Homo sapiens

<400> 9355

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 tgctttgtta taagtaatta aaaacaagct tttatgcact ctttttaa at tcacttaagc 120
 tacaccgtag taccctcaaa aaaggctttg aaattaanat tactgtccac atattggatt 180
 agttattgat gaataagcaa atcagcccct ttcaaaagan atcagttagt cctattctac 240
 gtggtttcta gtgaaatagt ccagcaaaat catataatac tgtgtcaaac tttttctgct 300
 cttctttttt taaaaaccaa acaacagacc ttcatcttag ggaacagcag ttctacatct 360
 ttaccccct cgggtaggta aaagtgtcaa tanagaagtt actactatat tcccctccca 420
 aatttttaga angagcagta aaaataaggt ttgatgaaa ttcccataaa atatttaact 480
 cattattgtc tcatgtcana aacaaaaata aggccatttc ntgttataac atgaatataa 540
 taacctcccc ttgttccaaa taaccaaatg gtaagttccc tctttccccc ttcttaagaa 600
 gtttncntt ttt 613

<210> 9356

<211> 301

<212> DNA

<213> Homo sapiens

<400> 9356

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 antccaacct cctgggaaaa gtgaagtata aaactctggc tccagctgct tgttccggtg 180

cttgttgaca atgtcgggtga ttttctgttt ccggcggaca tggggggggac tgtangaatc 240
actttccagt ctctttcttc tacaaatgtt aattacagtc tgcctcacca naaagccaan 300
a 301

<210> 9357

<211> 578

<212> DNA

<213> Homo sapiens

<400> 9357

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tgcagantca aactcctggt cttaanana cttccttctc atcctcctga gtatctggga 120
ctatgggtgc atgccacat atctaagttt taaaaattaa tttgtacta aagganggtc 180
ttgctatgtt gctgaggccg atgttaatat ttataaaaag aaaaacatga cacaacagtt 240
caaactggtg cttttttgca cctatcctgc actataaaaa taaaaactta aacatagcag 300
ttacatggca ttccatttcc ttttgacatc acaatacatt aaataggatc ttttcaaaaa 360
gtaagacagt ctattttcct atttcgtaaa aataccacag gctggaattc taaacagatt 420
tttttttttt ccttaaggga tctttattcc ccncnccccc taaaaaagac ctgaaaacag 480
gtcctcctta nccatcctac tttaaaattt ctcccaatt ntttngggg aaaccggaaa 540
aaatccnaaa ccttggtcca tttttttaa ntganggn 578

<210> 9358

<211> 504

<212> DNA

<213> Homo sapiens

<400> 9358

gcttttgttt tganana gga ntcttggtat gtccccangc tggaatgcaa tgggtgcgatc 60
tcggntcact gcaagctccg cctcccggt tcatgccatt ctctgcctc agcctcccgaa 120

ntaactggga ttacaggcgc ccgccaccac gcccggntaa ctttttgtat ttttagtaaa	180
aacgggggttt caccgtgtta gccangatgg tctccatctc ctgacctcgt gatccgaatt	240
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tacatgggtg acacctggct ccctgcagct gctgccaaagc aangctgtna aaaggctcctg	420
ccccnctat aaagctgttg gticctgcct gccacnccac tcttgggttg tgggttntna	480
aattgggaaa aaaccccnaa atna	504

<210> 9359

<211> 312

<212> DNA

<213> Homo sapiens

<400> 9359

agtanagacg ggggtgtcact gtgttggcca gganggtctc gatctcctga ccttgtgac	60
tgcccacctc ggcctcccaa agtgctggga ttacaggcgt gaaccaccgc acccagccga	120
atgtinctaa cactactgaa atgtgcactt anaaatgatt canatggtaa attttgttat	180
acgtatttta ccataagttt aaaaaaagga aaaaaaaggg agcagggaan gccacatctt	240
tccacttggt gtccaactag tgcctatgtg gggaggcact ggtgtgggcc annaaaatcc	300
tgagggccct ca	312

<210> 9360

<211> 409

<212> DNA

<213> Homo sapiens

<400> 9360

aattcnatgg tataacaaaa tcagttccag gtttttttct gaacaaatga tcctttggtc	60
tttcccgtgg catgctccta aaacaactaa aacaaccctc tacgtctaata cagtcaccta	120

anatatcgag tggcaagtct ttcacatttg ctgcttataa ttcctgaatg gtccatattg 180
 agtattttca tttctgggta agggaaaaag cattttgggc cattaattca cccgctcgct 240
 cctggaggac gttaccaat tctgctatca caaagacgtg agtggcatca atgtcttgca 300
 tgatgaactt cncaggcttc catttttgtt cactttggga tggttttcct gtcgaactgc 360
 gtggaaaagc angaagcaca ctgtccactg taggggtcct ggtccanca 409

<210> 9361

<211> 502

<212> DNA

<213> Homo sapiens

<400> 9361

gtaggccatc agaggtagaa ggtggtaaaa acagagttgc cactctcggt gtggccacgt 60
 gagcacgtcc cacttaagta acagggtgtc cctcaggta gcttgtgata aaaccaagt 120
 caaacaaggc tgaatcctgg gtgttttatg tctaaggat ctgaaaagtg ttcacggcca 180
 gccctgacce tcaagacctc aaatgggtcat ctaagcagta acgtaaattg gtgtgtaaac 240
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 aactaatgtc tttctaggca tttaaaataa gggggaatgt gttgattact ccgacaggca 360
 acccaactgc agtggctaaa tgcccaaggc tgacaaattc tgcatttat cactcccgtc 420
 aagtggcatg tgaatactgt cnncccaaaa gaattgagaa acaacttgc ttccaaaact 480
 ctncatctcn ncaaaatctn ga 502

<210> 9362

<211> 448

<212> DNA

<213> Homo sapiens

<400> 9362

actgtttcna aagtattcna taccatcnaa gggaaaaaaa cattaaaata atctccataa 60

ttgtgaaatc tgacaggnac aggtcttgaa atggactgac aaanacttgc aggggggncca	120
cactgaccaa agttcaaaaa catttcatat ttccatttta agacctcttt aacgaaagtg	180
tctganacag actgtgatga caaaagaatg tttactggag aggaanatgg aaaatatttg	240
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tgtggtncct tcnaaatcna ctgtatcccc ttgacttat tttttaaaaa accgtgaaag	420
tgctgaaaaa tttcccnana ttanaaa	448

<210> 9363

<211> 583

<212> DNA

<213> Homo sapiens

<400> 9363

canaanaggg tctcactctg tcaccaggc tggantccag tggcacnate tcagctcacg	60
gtgactctgc ctctgggtt caagcnatct tccagcctca gtctcccaag tagctgggac	120
acagggtgcat gccaccacac ccagctaatt tttgtatttt ttagggana nggttttgcc	180
atgttgccca agctggtctc gaattcctga gctcaaagca atccactanc cttggcctcc	240
caaagtgctg ggtgtgagcc accttgccca gccacaaaag ggatttccca gttgcctcat	300
tgcggcagtt gccgggagct cccccaaaaa aaacaggga ctggggaact gtgggcatgg	360
gtaggantga aaccagtctg aatcaccctt tggaatctgc atcgtgttcc ctactcaac	420
aaatattcct gttttccggt nggcaaaaaa naggtcccc cggaaaaaa acaaaagaat	480
tttgcathtt ctgtcaatca acaaaacctg gggaantccc nccccnggaa gcaggaaaag	540
ccttaaaaac tncggcgagg naattccggg ttnaaaccn aag	583

<210> 9364

<211> 352

<212> DNA

<213> Homo sapiens

<400> 9364

cttcagcagt gcgggggtcc ttaaagtgtg attcaagtcg aataaacctt tctacgtctt	60
tcaacctctt aggantccca tctatggatg gggaatggga tctcttaggt gtaacagtct	120
tagttatatt tgacattcca ttcanatgcg gttgtccctg ggcagggttg tgaggtgttg	180
tgattctagg aatgacattt cgtcctacta cggtaggaat ggtacacaca gtgggggggtg	240
atacagtttt tactgtaaan tcaacttttg cgccaatcac tggaatggaa agtccttggg	300
ctggtggtnc actcagtggc ttctcccaat tacacancag gctcagcact at	352

<210> 9365

<211> 410

<212> DNA

<213> Homo sapiens

<400> 9365

gacagaagta aaaatatatta ttttatctta aaaatctggt cccgcaaaaa ggncaacact	60
tttttcagtt cacggtcttg acctttcaaa gaanaaatct ttcaactgag aggtgagtta	120
ataaaaaggaa tgtcagaggt gctttcagat ttcttataaa ccagtaaacc aagcaaccct	180
ggacttctag ttactgagc tccttcttct agccattcac agttcctgaa ggagaaaaana	240
agttgtttgc agataaggca ctttagaaac caccaaagag aaaaccaag tctgccagga	300
gctgcactgt gaacatgtga gccgagaggg ccaccnccan acagantgcc aactcccaca	360
gctccatgac aacagcatcc accttctgc cccaacactg ttccgtctgg	410

<210> 9366

<211> 274

<212> DNA

<213> Homo sapiens

<400> 9366

aacaatcaca agtcattgct tttattcaga cgtaggggca aaacaacagg gattctacat 60
 ctggctaatt ttttcaaagt ccttttgtcc aactatctat taaagaaaaa aagttgactt 120
 acttctgagg tgagggatcc agtgcggcag ctaaaacttc ccctgccctc tgccacctgt 180
 gtnatggcca catgcttgga tgttgaaaac agcaaagatt agcaccttcc attccctggg 240
 ggccagcaaa nacttttctt ccnaatcaca tgca 274

<210> 9367

<211> 357

<212> DNA

<213> Homo sapiens

<400> 9367

gcatgaggnc aatactgtta ttgttcacat tttacagagc aagaaacaga ggcagcgagg 60
 cattaaaaca cctgtctagg gtcacagggt gtncagcttt cananccagg aatcataacc 120
 aggtctgtct tgttctaaag ctggcctttt gtaactcctg cacattaaac aaataatcac 180
 aactaatttc ttaaataatt acaaaaaanc caagtgtttt gaantataaa tacaaggggc 240
 taccgaagca taaaatggga attggaaaaa tacctaccnc ncccaaaatt attgtnaaaa 300
 ttaaaaaanca ctcnttggtg cactttgtnt atcaaaaaaa ancitttaaaa atgttca 357

<210> 9368

<211> 369

<212> DNA

<213> Homo sapiens

<400> 9368

gaggttgttg ggaaaaatth aatcagctac agatatthta agtaccaaag gctgcctctg 60
 gagggaaaaag aaaactaccc ctctggttct ggttgacaga aatatgtntt atcagattcc 120
 ctgtgaggct ttacatccca tgtttgctgg agaacagagg gattctctaa gagtgtagtg 180
 atttcttcag atagttcctt catcttgcct tcaattatth cagangcctc acaggcagtc 240

cccattattc ccagtcattgt attcatttca gcttatttcc aactcagcta tccttggctc 300
tgaaaagctg tcatcactgg catcactgta tctatcactg ggaaanant ttgcaaccct 360
gttgcaant 369

<210> 9369

<211> 297

<212> DNA

<213> Homo sapiens

<400> 9369

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agtttcattc cattggctan gacagaacgg acagctttga aaagatgaag tctggcccca 120
gccacttcag gaggactatc ttttatttgt agtggtttgt gtgccacagc tgcaagatga 180
cttaaagtta gaaggtaact gacgatatgc ctgggttgaa agtcctgana tgatttataa 240
agcacctcgt cgaacctgan aagatgctga anaattgaaa cagactgtgg ctcttgt 297

<210> 9370

<211> 456

<212> DNA

<213> Homo sapiens

<400> 9370

ggagaaaaat tcttctttat ttaaaaatac cagtaatact gacagacttc aaaagcaatt 60
cacgcttcca gaatacaaag tacttaatac atattttcaa acctgtttgc atttcaaaca 120
aagttagcgt ttttgtaaata caaatttgat aaccgcagta aaaatatttt ccagctttat 180
tatttaagga gctgcacagc ctttaaagtg gggaccagga ngcaggcaga ggcaganaga 240
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gaaacacaag ttatgcacaa gacagctgcc ctccngtgtc aggatcctgt gaaacagcat 360
atcaaaagat cgccngcttc ttataattta cacactttcc nttagaatg gctttttgaa 420

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456

<210> 9371

<211> 395

<212> DNA

<213> Homo sapiens

<400> 9371

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catgaccatt tctcttttag cacgttcttt gttctctct tccagaagtt gtagacgtct 180
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<210> 9372

<211> 449

<212> DNA

<213> Homo sapiens

<400> 9372

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gattctttaa gaccttcagc agcccatcat ttcaagatga tatggtctta tcccctgaac 180
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449

<210> 9373

<211> 450

<212> DNA

<213> Homo sapiens

<400> 9373

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<210> 9374

<211> 410

<212> DNA

<213> Homo sapiens

<400> 9374

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410

<210> 9375

<211> 457

<212> DNA

<213> Homo sapiens

<400> 9375

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<210> 9376

<211> 560

<212> DNA

<213> Homo sapiens

<400> 9376

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gttcatcctt ccatgganag cctcattatt tcatacaata aacatgccag aaaaggattc 180
tggggaaaaa acctgtatca gctcaaaagg anaggttttc ttaaactgtc tggggttact 240
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<210> 9377

<211> 469

<212> DNA

<213> Homo sapiens

<400> 9377

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gaaaccagta ttttgtgcta aggaaggga gaaatactac aaaatgttgc aaaacagAAC 180
aaaaagctta aaggtttaag aaatttaaag gcacagatat ttcacatcaa ttcanaatttt 240
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<210> 9378

<211> 584

<212> DNA

<213> Homo sapiens

<400> 9378

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ttgtttttta tgtgttaact tgctangcta ccagctgcca tttgtttaat caaacactaa 180

tctaggtgtt gctatgaagg tattttgtag atgtgattaa aatccataat ctgttgactt	240
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<210> 9379

<211> 498

<212> DNA

<213> Homo sapiens

<400> 9379

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tatangcaca tgccaccacg cctggataat ttttatTTTT atttttggta aaaacgggggt	180
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cctcccaaag tgctgggatt acaggcgtga gccactgtgc caggcctttt tttttttttt	300
tttttttttg angcagggtc tggctctgtt gcccaanatg gaatacagtg gcacaatctc	360
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<210> 9380

<211> 357

<212> DNA

<213> Homo sapiens

<400> 9380

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<210> 9381

<211> 436

<212> DNA

<213> Homo sapiens

<400> 9381

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naatcatatt taaaggctgc ccaatgtnga ntctantgac ctgttcagga cacctgaaat	180
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<210> 9382

<211> 371

<212> DNA

<213> Homo sapiens

<400> 9382

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<210> 9383

<211> 505

<212> DNA

<213> Homo sapiens

<400> 9383

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agccctgggt cttcaggaac accagccacc cagccatgag agagggaggg gaaggaggca	180
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cagctctcct atccaaaccc actccccgac ccatgggctc ttgggctggg agcatcgtg	300
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<210> 9384

<211> 580

<212> DNA

<213> Homo sapiens

<400> 9384

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<210> 9385

<211> 576

<212> DNA

<213> Homo sapiens

<400> 9385

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taaagtcatt	catcaactct	tacaccaata	cataanatta	ttccatgatt	aaaagcccaa	180
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<210> 9386

<211> 597

<212> DNA

<213> Homo sapiens

<400> 9386

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<210> 9387

<211> 499

<212> DNA

<213> Homo sapiens

<400> 9387

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<210> 9388

<211> 530

<212> DNA

<213> Homo sapiens

<400> 9388

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<210> 9389

<211> 545

<212> DNA

<213> Homo sapiens

<400> 9389

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<210> 9390

<211> 574

<212> DNA

<213> Homo sapiens

<400> 9390

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<210> 9391

<211> 536

<212> DNA

<213> Homo sapiens

<400> 9391

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cagtaattta aacttttggt acaacaacca atgtcttttc tccttaanaa aaaaagaata	480
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<210> 9392

<211> 516

<212> DNA

<213> Homo sapiens

<400> 9392

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<210> 9393

<211> 569

<212> DNA

<213> Homo sapiens

<400> 9393

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<210> 9394

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<212> DNA

<213> Homo sapiens

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<210> 9395

<211> 585

<212> DNA

<213> Homo sapiens

<400> 9395

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tttatggaaa canaatctgg ctctgttgcc cangctggaa tncantggca caatcttggc 360
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gggantacag gtgcacacca ccacatccgg ctaatttttt gtnttttaaat aaaaacgnat 480
ttccccgtgt tgcenggtg gtctccaact cctaaactca cccatccacc cccctggggc 540
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<210> 9396

<211> 379

<212> DNA

<213> Homo sapiens

<400> 9396

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aaagttggan gatttggggg gagagtttct tctttggcaa gggagaaggt ggcacaaagc 180
 ccaggcanan gggtcagctc ggggtgagac catgactagc agtactactt cccaccctga 240
 acanaatcca gggatgctct gtcctggaca cgtcaaaaac tggggttgan gtggccctcg 300
 ggtcaaaggt caggaactan aatgctggcc anggtcanaa gtcangangt ccgangctgc 360
 tctctgaagt cagggggca 379

<210> 9397

<211> 501

<212> DNA

<213> Homo sapiens

<400> 9397

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 ctaattgtcc aaagatacac aatactgaat ctgcatacgc agtttccttt atgaagtaca 180
 gtgctcatgt tttaggcagt cttctaaaca tacaataca gaggaaatta aattactcnt 240
 taaaaactgt gtcaaatgaa gggatatttta aatataagtt tgttgtttct ggtaatagca 300
 catgccc aaa tgaaaaccaa aagatggaaa ggcagataca cttcttactt ggggtggacag 360
 ttacaacatc aatcattttc tgcaatgacc attatatitt ccatttatcn tgaactactc 420
 tgaacttact atganatggt cccaagtcca aaaaaaaaaa attttnggga caanatncct 480
 ttttggccgg naggttacnc c 501

<210> 9398

<211> 594

<212> DNA

<213> Homo sapiens

<400> 9398

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 ctctcatccg gcatttgtct gttgccatca tctaactc tagtgaggga atctttacaa 180
 taatggcaag gaaggagatg atggcacatg aaactctatc ctaccaaaaa ccacagatct 240

tcccttactt tcaccagac atataagaac aggaccaatt gtgaaaatca aaaggagat 300
 tagagataga aaataggagg cgtggcaacc ccacagacct gtgaccttg ttgcagctcc 360
 ctctcttctt acaatcctca aagctcacag tttctcatct ctcccatttt agctccatgt 420
 gtctcacaac agcagccact actcctgggc tgccaagccc tcattgcatt ttgggtccca 480
 gtcattgggt cttgtctaaa atctttgctt ctcatctccc agttatataa ggtcttttcc 540
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<210> 9399

<211> 571

<212> DNA

<213> Homo sapiens

<400> 9399

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 aggttatcct agcctgatat anaacacttg gtgacacatg cagttactgt aatatactat 180
 aacagacaca gccattatag aatgatttac acttgggatg aaattcaaca gtagtaaggg 240
 tgactcttta tttaaactaa aaacattgggt aatatacaaa tttttttttt atttcattga 300
 aagggtata aaattcaaca tactgacaag gaagcaacat aatcacatan ataacgcctc 360
 tgctaattgc ttttacctaa ctccccctta aaggtagct gcacactcag ctaccaattt 420
 tctaaactgt gcnatngctt caaggctggc ctaccacaac tgactgaaa aaatttcntn 480
 ttngtaanct gacactgact tntttttttt taaaaatgga aaaacaatgg ccaattnttc 540
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<210> 9400

<211> 515

<212> DNA

<213> Homo sapiens

<400> 9400

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acatcccaaa caggtctttt tatttaacat aaggccaaag aagctatcag gcgttgctga 60
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ctggaatgcc atanaaataa ataactttcg ctataaacac atgaaaacat atcaaactgt 180
tatctcttta aacatattgt aaataaaaaa attaccagta cttctacaca ataaatatta 240
agaaaccatt gacatagttg aaatgcactc atataaatta acaactttta ttacattagc 300
caaacagaca ttggttaaag aactgcatgt tagtatgcaa aacaaaacaa aacaaaacaa 360
aaaacaaagt naaaaaccac aaaatagaaa caaacaacaa acnacatcac cacagaacat 420
aaaaatttta aaataaaaca ggctccaaat aacctnggct tccanaatta tnttttcctt 480
ttaaanaaaa atttcnccc cntgntcaat gcccg 515

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<210> 9401

<211> 566

<212> DNA

<213> Homo sapiens

<400> 9401

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atttactact tcaatttaat tttttttact aacaattgtg gacctttttg angacactta 120
tgtatgtttt taataaatta tgtacttatt agtacttaat gagcccttcc tgcctcaata 180
taaaattact aaacttggag aattacagat tttattgtag gccctgatgt tagtcacttt 240
ggagaagcta aaaatttggc caaatgaat gatccaatga tcctttaagt tatctttata 300
ttaaataatag tgtgatcctg gactacactg atttaaaaca tgctttttga naaatgtctt 360
antaataggg cagtaatctt cagtgtgttt caaacactac ttgcacaaa atccccttag 420
gttgtnnggt attgggtcccc aactaggata anaanacncc gcaaatttgc ttaacacaat 480
gctagccctg cccggccctg ccccaaaatn ncgaattatt aatctgatcc gaaataagcc 540

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cnaaaaaggc ctttccaaaa ttccn

566

<210> 9402

<211> 576

<212> DNA

<213> Homo sapiens

<400> 9402

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cttcaagggt ctccagggtc cactgtagtc tggttcctga cnacttctcc aggttttcca 180
ttaaacaggt aaagtcttta ttgtttatta atatgtctaa gtactccatg tctatgatcg 240
tcctcacttt atcaaccctg tctgaagttt caactgcatt ttcccccttc aattgggccca 300
ccatctctta attttctact cttcaagggtc tagcataana atggcattta ttcctaaaac 360
gtctgttctg tcaactctga atttattctt atggccaagt tcgttcgaaa acctccatgc 420
cccgtgagaa tatttgtgtt tngttttgtt gtttnnngct gttgttgttt tgtttggttt 480
tgaaanggaa tctcactccg tatccaaact ggaatacatg gngcaatctc tgctcatggc 540
aaccccaact ccangggcaa acaaaccnnc gcctca 576

<210> 9403

<211> 514

<212> DNA

<213> Homo sapiens

<400> 9403

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ggcancaatn acagcctcag tgaantcatg gcaagtaaca tanccacca tgtcaaangt 120
tcgaacctgt gggggaaaat catcatcatc catgtggcct gggctccatc ctaacaatcc 180
ccatcaccac ccaacagtct gtcccctaag gaanccggcc caaggacaac ctaggctcta 240

cccancaagg tgaccatggt ccactgctta aangcacaag gtctcttccc tggtagactg	300
cactgaangg tatggggaat gtggtccttg caagggtgga aaaaataaag ggctctaact	360
ccctttaatc tgcaggtgac cgatgacana ctigatgaaa tcggttgtgg tgctgttacc	420
cccatgttt ccaattcncc ncctgncaac ttigattacc tcctcncnc atcttcnaaa	480
attcttgaat taaaccccna aataaaaacc cccc	514

<210> 9404

<211> 364

<212> DNA

<213> Homo sapiens

<400> 9404

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aaatgaacat tgctcacaaa gataagtaac tgaaatgccg gcaggacact tactgcatct	120
canaaagtga agtaaacttc attccagct cccaattct atcaactgtg agaagctaata	180
aaactcctca tgantttctgg ccatecctan anacttacat cctcactgac tctctgcctt	240
cagcttttgt gcatgtgcaa gcaggttctt ttttttgtgc ttattaacc catgttagga	300
attgtggccn ctccactggt ttccacacac acacnncnaa aatctntgcn cagtaccnt	360
nggt	364

<210> 9405

<211> 378

<212> DNA

<213> Homo sapiens

<400> 9405

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gagaggtaaa gcactagggc tgaacaagtt aggaaaatta agcctgaaat agtctaaaga	120
taagacatag tctaaacata acagaattct tctaggcttc tatanatgct ctactgtat	180

acacttaggc acttattcat ctttatctgc aagccccatt tctaccaacg gcatatgaac 240
 tggatgctgt tcacgtcat ataatgtcac tatctgttct ggtgctggag ccatggacac 300
 ancataaant tnttttcctt gaaaacagtc tntentancc cacagtgcct ccatgctcca 360

tttgggacaa natggtat 378

<210> 9406

<211> 462

<212> DNA

<213> Homo sapiens

<400> 9406

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 gaaagatgcc tttctaggaa gcanagctcc ctgactgggc taagatagtt canattgatc 180
 ttaggtcaat ggtaagacct atgtntttca tgaagtcttg gcttttcggc gctgggtcgc 240
 ccaaagcana atggagacgg atagagtggg ggctcccaana atcccgaana acataancat 300
 gagaacgaac cctggcgcct accttgtntc catggaaaac catcacacaa acacactgcc 360
 aaaaanacctg gaccatccgg tncncaaaat ccattctcag gacacatttc ctgggtcccc 420
 attntnttg cnaaggtcct tttgcccttn aaaaatttgg tt 462

<210> 9407

<211> 578

<212> DNA

<213> Homo sapiens

<400> 9407

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 tcacaaagag tcagccaaaa tgcaactgga actaacaac acattcagtt tatttgcaga 120
 atagaataac agcaccaaaa attagttgaa tttcataca ttaacaataa ataattttaa 180

aagaaaatta aaaaccaatt ccatttgcta aagaacttaa agtaagaaat atttaggaat 240
 aaacataaaa agtgagggtt gtaccttgaa atctataaac attgatcaaa atgattaaaa 300
 acatgtataa atagatataa atcccatact gattggaaaa atgaatatcg ctcaatgatt 360

atatactcaa ttgtgattta gattcggtac aatactcnta gaagtctcta tacttttggt 420
 taaagaaaca aaaaacaggc caggcccagt ggntccctcc cgttatcccc accctttggg 480
 anggggaatc nggtggatct taattccaaa anaaaaacct tcctggctaa cccgggtgaaa 540
 ccctccctt ctaaaaaccc aaaatttccc nngtntgg 578

<210> 9408

<211> 552

<212> DNA

<213> Homo sapiens

<400> 9408

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 atcccctgca ttggaatca aatacctttc gattgccaaag atttctattc ctgaagcact 120
 gctatttcca tacttgaagg taatgagttc aggatgtttt ttttggatg taattttaac 180
 tacagaattc agcgcttgtc gagactgtat ataagccaat cctttccgtg aaacaatctc 240
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 ttcttttact tctttacaag ggaaaatgat ntttgacatc tggtttggtt atccaantct 360
 gaatgtttac aaccnctttt ctatcatcat ctgacattga aagaactgtc aattncanct 420
 gtgtcgtatc ctctcnacc ccaatgctga aaacaggctt tacnccacgg taagggtgnc 480
 cactctgtca tggctgctcc catgccgatc caenggaatt gaanttttctn ctataaactg 540
 anacttitnc cc 552

<210> 9409

<211> 513

<212> DNA

<213> Homo sapiens

<400> 9409

cagtgtttgt caaatTTaat aaattatata caattttagt aatttagagc tatectacta	60
tatagtcggt aacatttttaa tgggatagtt atttttatca aagactattc catgggtttg	120
aatactataa aattttactca aatacacaaat tgctcagcca tagttttacta cttattttaca	180
taaataagata ttacacattt ccatactcag ctgaataaaa ccttaaggtc taggtataaa	240
ggtaaattgg atggaatgta aacatttctat tacattaaat agattcatta aaatctgttc	300
ccagaagttt tcaaaactga caagaaagta aagagagtgc cttatgtcct caatagcata	360
atcctggagt cacactttcta gagctatagg atataataat gaatggaaaa aaccctaata	420
ttttaggaaa aaaaaataat nggctattta naacctaata aaaacnttat gtnaataagg	480
gaacncnang gtgatggtta taaaaccccc etc	513

<210> 9410

<211> 572

<212> DNA

<213> Homo sapiens

<400> 9410

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gcacacaaaag gttgatcaaa ggcagtggcc acctcagact antgcaatgc cagtcctgca	180
gggganaagc ctggcaaggt gaggggtgagt ctcccacagt ccaagacagg tcccagacct	240
tggcccaccc ancgaggaca aaggggcctc angcttccaa acttaactca tgnagaaca	300
actgcccacc attgtccctg ccattgccaac ttatatangc atgaccctgg cccanfaatg	360
aagcaggctg aagggcatgg cgggctcaag ccnnaaaact gaaggtggca agtgcggaat	420
aacnctggcg ggcattgttc tcacaatata actcgtcacc accaaaaatt gccncccatc	480
tccagttcan ccacaatcng cacagttttt caaccgggt ggcgtaccgg ccncctgnat	540
tccccaacct gttcccanac tggatttcnc tc	572

<210> 9411

<211> 553

<212> DNA

<213> Homo sapiens

<400> 9411

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tataaaaaat attcttaaac aaatattaaa gcacatggaa aattcagaaa taaaaacaca 180
ccaccatata aagaaatcaa aatatttcat atgtttttta atgcttatgg tatgagagcc 240
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ctttgtgtca tatagaaata attttgaaa cagtatgtgt tgggtgtgta aattgtccac 360
attaagcnaa acatatttta catatgaata ttttcantta tacttactgg aaaacaaacc 420
aaaaaacttn taatttaaca tcctgaattg aaaataattt ggattgaaaa tccgccaan 480
tccacatctt accnccnaat ttttttcaaa aanattntcc aantttttta aaaaaattgc 540
tcccccatcc cnt 553
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<210> 9412

<211> 486

<212> DNA

<213> Homo sapiens

<400> 9412

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aanatgggaa gcgttgactg aaacaagaaa ttaagtcttt tcggacaact tgaatttcca 180
acttgggcat aattattaaa atgcttagta nataacttca ggattgtggc tgtggccatt 240
accaaatttg aaagaaaaaa gtgacttgaa atgaaagtgc attgcagttc cngtaacaaa 300
tagatgataa actttattta agtttaattt atcagaaact tacagaaaag ctggagttac 360
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tataaaaaata ttttttttcc tgaatcaata ngttactgct tcactccttg angtatattt 420
ctnacaaccc anaatatttt ctacatanat acaccagccc tcnnaagttg aagaaaatta 480
acaagg 486

<210> 9413

<211> 588

<212> DNA

<213> Homo sapiens

<400> 9413

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gactcctgag ccatctccct atatcctcat ccaaattccc aaattacagg cttaggtttt 180
tggttttggtt ttcaatccaa tggaggtggg ggcagctatg tnttgatttt tggcaccacc 240
ctgtggtcat acctaaatat tgcaccttct actcaatccc acaaagggaag agaaacatgt 300
tntntangg cccanccnac ttcaaattct agctctactt cccagtaaaa ctgtgggcaa 360
gcccattaac tggaagggcc gtgaattata accatgttaa aaatgtnttt tcccanaacc 420
caaaaatggg aatgactttt taaaaataaa aaccttnaaa aaagtnttt ttccccctta 480
atattgttgt cntacctttt nccatnaaaa ttngggaacc cccccaaatt tcttaaaagg 540
tggcaaagga acctccaacc ntccaaga aaccactcca attccctt 588

<210> 9414

<211> 549

<212> DNA

<213> Homo sapiens

<400> 9414

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ccaccacgcc tggataatTT ttgtatTTTT agtaaanatg gggtttcact atgttggcca 180
 ggctggctctt gaactcctga cctcaggtga tccacctgcc ttggcctccc aaagtgtgg 240
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actttagaag ctttacagtt ttgcctttca catttaaate ttcaatccac ttggaactga 360
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 tctccatctt ttacaccgat ccacatatgt ttgtttccaa aaatggntaa gttcatgttc 480
 tggccttccc ctaanttccc tcccatcna aaattanaac cccenttct taaaaaacia 540
 tntnagttc 549

<210> 9415

<211> 464

<212> DNA

<213> Homo sapiens

<400> 9415

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 tgtcatttaa ctgtgaaaaa atagancgtc tccccctttg tcatcgttct ggtaacattt 180
 ggagtagcat ctgacagaac ggagctgctc actcctggac cggttatttg gttaaaaccc 240
 aaaatgttag gtcgaaanaa tcaatcgta cccaatacaa ataaatattg cgttatgaaa 300
 nanacgggca gantcccacg gtatcccttt ttaaagcggc atttccagca cagcagcgtg 360
 gcgctcacag anaccancan ggcgcagctc tgggatgcca catgggacac ggctgcaagt 420
 anccgtange accgtcccgc cgcaagctc ctccaccnaa cctt 464

<210> 9416

<211> 540

<212> DNA

<213> Homo sapiens

<400> 9416

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tggcanaattc	tttttgtatg	ttacaaaaca	aaacatcaaa	agctcagagt	aagataagaa	120
tccttttttc	ttanaaaggt	caagcanata	cttcttgaca	tcatgtcctt	tatacaatgg	180
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gtangaatga	tctcactttc	tccacctgtt	tccttttctt	ncacctccaa	anaaactttc	480
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<210> 9417

<211> 587

<212> DNA

<213> Homo sapiens

<400> 9417

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agtgggacag	aaattatcat	gactttcaat	gatcttttct	tccccctaac	tttaatatcc	180
tttagttggg	gagagaaaga	agtccatttt	catctgctgt	atctaagatt	ttacagatca	240
ctggagattc	aaccccnaga	atatattgac	aggagtgagg	ctctagcata	tatacagtaa	300
cagcatgagg	tgaatctgat	tctttgcact	ttagttttac	agtcacctgt	cttggtttgt	360
cagttatatc	acaaatatct	ccatttccat	aaaaatgtga	caccatcctg	actgtctggg	420
taccatcgtc	ttgaanatga	taagctctag	cagtattctc	cttaacccat	tccatatgct	480
cttcttggtt	ccctgtcccg	acaaccacag	aaggtttccc	ncatatccctg	tcnctntggt	540
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<210> 9418

<211> 433

<212> DNA

<213> Homo sapiens

<400> 9418

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aggtaaanga tctcatgaca ccatacacac aaacccatca ttgcctgtga atgcacgtng 180
ggncagaatt cccagttcc cgctcctctg anggttgata ctgctgggaa tgccaaccac 240
tccacaagca gagggaagcc ccctcaggcc tgcagganga nccgcancag tgtgtccaat 300
tcaaaccagc agcaaagaac ctgacathtt cccatccatc tatgangaaa gccatctcac 360
anaacatgga catnngcaac ttgctctccc ncaccaaggg atgggaatct ctcctaccta 420
tantctccc tgc 433
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<210> 9419

<211> 591

<212> DNA

<213> Homo sapiens

<400> 9419

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caaaccacat caancttgat naaaaaatcc cccctaatg cccaaaacce canccctaaa 540
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<210> 9420

<211> 444

<212> DNA

<213> Homo sapiens

<400> 9420

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 ggtcaccggt ggtcataaaa attatgcaaa aatgttcatt tgttcatgaa ctgcgtnttt 360
 cttantcct ttgtggggan aatccagggt naatcncctc ccaccatgtt ggaacanaat 420
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<210> 9421

<211> 433

<212> DNA

<213> Homo sapiens

<400> 9421

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 ggattttttt gtacaagctt ggctatttca anaggttttg cttggacaat actctgtttt 180
 tcatcaccaa gtagcatitt aaatactcgg cttgaanaaa aggagtcaag cagagtagaa 240
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 agtttacaga ctaagtcttc caaaggtttt ttccttanag ganacaaaag gcctgaaaaa 360

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aanaaacat ttt 433

<210> 9422

<211> 459

<212> DNA

<213> Homo sapiens

<400> 9422

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agccccggtgt ggacataatc acatctatgg ctacaaggaa cacgcaacag aaaatcagat 180
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antgattctc cccctcacct cccaaatact gggaacacag gtgencacca ccacacctgg 360
ctaatttttt gtntttttan taaaaanagg gtttccccctt gttggccaag ctggtctcca 420
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<210> 9423

<211> 599

<212> DNA

<213> Homo sapiens

<400> 9423

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tattgggnta ataaaagcat ttgcactata gaaccagaga catctagaaa agcacatgat 180
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ctttccatgt tgtgctgctc ttcccaaaaa gccagggtcn tncaatactg aaaaacatgg	480

acaggtctgt tcnttcaaaa cctgaatccn nccgcccgat ccgtgtctaa cgttcgaaaa	540
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<210> 9424

<211> 495

<212> DNA

<213> Homo sapiens

<400> 9424

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cctgccttgg tctccaaatg gagagtatat tattaaaccc naaagagtga aatggagagt	120
caggntaaac acagtgtaat tacaagccac actactatac cacaggcatc attactctgc	180
ttttcctaag ccctactttc gtaaaattgt gtatactaaa tatctttgtt tatctgacaa	240
agaacaggaa gaaagaattc atacattggc actaccatta attgcctaca gtttctttca	300
ctatttttacc taccagatat taggatgtat gacacaaatg taggatgtct aacagaanaa	360
caatgcaata ttgcaacata cagttaagta ctcactcnac gttatcaata agttcttggg	420
aattgcactt taagcccaag atngataacg aaacnntttt taccnnnggc tanttgataa	480
aacaagaatt taatt	495

<210> 9425

<211> 581

<212> DNA

<213> Homo sapiens

<400> 9425

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ttcttccctt angtctatct gaagtctatg tttaaaggaa caattctaata gtccatcttc	420
ctccaaattt tctctcatca caagtacaaa aatagtctct cagggtaaat ttaaaaacct	480
gcatttacct cntcaagcac ataaaacctt cttgtgacct tttgaanaag cgcatttanc	540
ctttaaatga tcttgtcttg cccaaaaagn acccccccta a	581

<210> 9426

<211> 530

<212> DNA

<213> Homo sapiens

<400> 9426

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aataactggg aatacagggt cctgccacca tgcctgggct aatttcttgt attttttttag	180
taaanactgg gtttcaccgt gtttagccagg atgctctcga tctcctgacc tegtgatcca	240
cctgcctcag cctcccaaaa tgctgggatt acaggcatga gccactgcac ctggcccact	300
ccactttttc ttaatgggga cacttctctt gaacaacang gacaaatntg ggaatggcac	360
aananaatcc ccatactcct attagttctt atttgaatgg gcctgggtgaa atggaaaaat	420
aatgggctct gttactaanc actgtntnac tttggacaag tccttaacct ctctaagccc	480
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<210> 9427

<211> 547

<212> DNA

特平 1 1 - 2 4 8 0 3 6

<213> Homo sapiens

<400> 9427

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ntctagctca ggggtcaagtt ttccacttt aatgactatc tctgggagct aaagcggcag 180
caccagcttg ttggttctct gcctctgact ccgacaacac ttcttccctt tatttttaca 240
ggcttattac tggcctcctc ctcttcatct gaanactcat cgagctccca ttcattcatct 300
atgtccattt caaatactct cacatgacga anatttgagc ttaactaaaa aagaaaagcc 360
ataaaagcat ttttaaatta atggcttata ntatatnaag aattanaaat cagaagtctg 420
aatcnaagaa tggttttata ggaaagttat attcccntcn atttacaaca aaatcnataa 480
attccccct cnttttgttt taaaaaatc ccnttacca cngttggcat ttcctganaa 540
ttaaatc 547

<210> 9428

<211> 416

<212> DNA

<213> Homo sapiens

<211> 587

<212> DNA

<213> Homo sapiens

<400> 9429

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tcttttttaa agttgtaagg agcaciaaga ggaataaagg aatttcttg gttaaacaga 240
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ccagaaattt ttaagtatg tncattccta tgttccagtt gccacaanat cttgcctcaa 360
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ngntttcctt tggtttttt ccccncccta cagtaccatt tgaaatttac ctattggtga 540
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<210> 9430

<211> 384

<212> DNA

<213> Homo sapiens

<400> 9430

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atgagggcnc acttgctcct gtccttggct tggtccctcc aacctccaaa anaactgtcc 180
tccccattgt catatccttt cctgctacg aaagacaaaa caaatgatg cccccaagaa 240
aagtcccaga ggctctctcc cagcagtcag tgggatgaag caagacactg ttaccttggg 300
tnggatggag aaaccaccag gtcctntcca canaagccac agtgggatgg anaaccctg 360
gtccatacca ccgaaggcac ntnt 384

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特平 11-248036

<210> 9431

<211> 470

<212> DNA

<213> Homo sapiens

<400> 9431

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gtatcaaagg atcactcaca gcccagaagc cccaaattag tgacaaggta agtggacaag 180
tctgtgaaac aggctaaggc aagtgtgtga aactggctat taaaggcgaa caggctccac 240
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atgaatattg atgggccaga accttctagt agacctgcga actcataaaa atggtatata 360
ttatgctaaa aatagtttag cagtagtgta nctcagtcct tccncccc nattaagttt 420
tgacaatacn ccaattccta aacatnaanc tgttttaaac ntttaattaac 470

<210> 9432

<211> 576

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 aaaaattntt ttggaattct tccgngaacc cccttt 576

<210> 9433

<211> 592

<212> DNA

<213> Homo sapiens

<400> 9433

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 tgtgagcata gtaccaata catagtcttt cagcccttgc cctccccgct cccctcgctc 180
 cccccgccgc agtcctcagt gtctatcggt cccatcttta tgccttgtg taccacagc 240
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 ccaacatatg ctggtattca tgtctaact nggttagatc aactactact gtctcccttt 480
 attccgcttt ataaattacc gcatccgttc tgaaccaaata ctaatgtttt cacccttata 540
 cacccttaa aaaagcaagg ttggtgtent aaaccaaccc tggtttccca tt 592

<210> 9434

<211> 438

<212> DNA

<213> Homo sapiens

<400> 9434

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gatctttag gatgatgtat tttcccttcg tgagaacaac catagatttg ctttagcact 180
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gctgtaaact cttgcctcca tctgtccaca tctccagctc caagctgctt catatgccna 360
 aggtgggaca ggtgcttcct ganctggtan ctccccagg cncnctggga atnactgctg 420
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<210> 9435

<211> 350

<212> DNA

<213> Homo sapiens

<400> 9435

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 aactatccca aaataaaccc aaaggtttt gctttcacgg ttaaaaaana tttatacggt 180
 ttcttcaaat gtcaaaaatg aaanggtccc tcnngacagc aatatcccc ctagttcaac 240
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 ccanncccta nggtgctttg tatantaaaa atctcnattc aaatacaaca 350

<210> 9436

<211> 485

<212> DNA

<213> Homo sapiens

<400> 9436

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 cacagccctc catatttatt aggcaaaaana aatantgaga aggggtgtgg aaaaaaagt 120
 cagctgctcg gtccanaata ngcttgcaan actgcattcc tcnacaata ggctctaaat 180

特平 1 1 - 2 4 8 0 3 6

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 tgatcatgta nctccactg gaatgctgan ttggtcacca tccctttggc ctttttggct 360

cccaacattt ccccttctt gtttatgtat taaatnaaaa aatnagggc caagctgggt 420
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<210> 9437

<211> 597

<212> DNA

<213> Homo sapiens

<400> 9437

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 cagggtgcg acacacaact tgttttttac cccgaagct tcagtgtaac catgactcca 180
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<400> 9438

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tgaaattaca tcaaggtatc agattttata taaatgaaca ataaaattca atttttattt	300
atttaaactg anttaaactg tggaagacaa tctcccccat ggggaagaaa aaaaaaaaaa	360
acctgaata atnaagcccn aaagcccnna cncnaaaact aatcngtgtg cnaaaatctg	420
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<210> 9439

<211> 586

<212> DNA

<213> Homo sapiens

<400> 9439

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aagtatgata caggacctaa gttttcagtg gcatatatac tattaacaca tttctgaaat	180
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<210> 9440

<212> DNA

<213> Homo sapiens

<400> 9440

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cct 423

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<210> 9441

<211> 567

<212> DNA

<213> Homo sapiens

<400> 9441

<210> 9442

<211> 573

<212> DNA

<213> Homo sapiens

<400> 9442

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tgtctcatgc acatatccat gangattcac ataagctgcc atcggccac ataaggataa 420
actgaatatt tcatttttgg ttgttatttc tgtttcttga aattgtttac agccaaagga 480
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antnaatcnc catactcnc attaggaaaa aaa 573

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<210> 9443

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 aaaataaata ttttaagaaa gcacacacag caccctcact acaagttant tctaaaaggg 420
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<210> 9444

<211> 543

<212> DNA

<213> Homo sapiens

<400> 9444

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 agtttaggtg catttaggtg acatcaataa agcccagttc ttttttttt ttgacaaatg 180
 ggatcatcct ataaacattg ttaggcaa atacaaaatct atctgcgctg tccctagttg 240
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 caggggcaaa cacagggtt gtnggtcctg ggtcttataa aaatcaggta caaattgaca 360
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 tgaaaaaata ctgtgtgcgt aggaaattgt cacaatttta ttccacatgg atacaaatga 240

ttatacttta atttaggccc tgggtggctta aaattatata acaaaataga aaaatggaaa 300
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 ctttttggtg aaaga 375

<210> 9446

<211> 493

<212> DNA

<213> Homo sapiens

<400> 9446

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 agaaaagtgg gagtactttc acgtttaata cgcaaggga taaaatanaa tgtaggaaa 180
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 ntccnaaccc nct 493

<210> 9447

<211> 496

<212> DNA

<213> Homo sapiens

<400> 9447

特平 1 1 - 2 4 8 0 3 6

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 ananaattaa tgtingagaa aaatggggca acgagagaga gattactgaa aacacttatt 360
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 gncnccccct tnttta 496

<210> 9448

<211> 586

<212> DNA

<213> Homo sapiens

<400> 9448

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 aagctccgcc tcccgggttc acaccattct cctgcctcag cctcccgagt agctgggact 120
 aaaggnaccc gccaccacgc tcagctaaat ttttgtatct ttagtaaana cagggtttca 180

特平 1 1 - 2 4 8 0 3 6

<212> DNA

<213> Homo sapiens

<400> 9449

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tgcaatacac aagttaagtc acactgcana ctgttttcta gctgtggccg ctggatgcca 180
cttctagcat agtaaaacta tgtaggagg aatgggaaaa gtgagcacca cttctcacca 240
tgttcccccc tctgctgcc agtctctgct cccatgttgg atgcagcaga aatnccnc 300
cacttgcccc aggacanacc aatangaang ggtccaatcc tctactacgg cgaaatctc 360
tccncaac 368

<210> 9450

<211> 381

<212> DNA

<213> Homo sapiens

<400> 9450

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<213> Homo sapiens

<400> 9451

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ggaattaaa gtaaactttt aatgcatata ttttaaaaat tcactttcca ttttactatt 60
ttaaagtgca tgtnaaatc ttttccattt tttggtaggt aattaatttg aanaaggga 120
atacaatgct ttactattac taccaacagg attttacaca agaaacatta gtaacttaag 180
ctgtggatcc tgtgaatgtn caactgacac agattttgta aatccatact gggcctggaa 240
cttatgttga ttataaaaagt caaagggtaa ttttctttta aagatatatt acttataaaa 300
tattcccga gtatgaattg tgcttttagt ttaggatata tgattttaat tgatgcacac 360
tgcagatgaa tgtttacccc tgctgtngat ttaaagaaca gcatanatat ctcaagaanc 420
ccnaataaaa ttaatttttc cccccctgt ntaactcctt aaggatttca tccccaaagc 480
tatccanaaa accccctact ttaaccaanc cnttggttaa tttattaccg gatacaaaat 540
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<210> 9452

<211> 532

<212> DNA

<213> Homo sapiens

<400> 9452

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gacaatggaa atgtttattg ctggtggttg ggtctgtcat ttcctaaang acatagctgg 60
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cagaaaatta tatanaaaca ccacacaaac tgcttgaaat acaaataatc tttggtttac 180
ttatcaaagt aaaaaataac aaaaatctta tcagttaa ataaaaagtga cattctttat 240
caagccttct taaacactga aacgcacgca tttttatgct catgttcttt agcagtattt 300
ctcccccttt gccctcatt ccctaaatt gtttcaatga gttcatctgt agaataana 360
ttgttacctt tcttaatgct acttactttt tattatctca atatcaagac caatctagac 420
ttttttgtct cttacatgtg aaatggaagt ttaaaaagga aaaatcccn cccctttttt 480

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ggggttcttt tttttttttt tttttttttt tttttttttt tttttttttt 520

<210> 9453

<211> 479

<212> DNA

<213> Homo sapiens

<400> 9453

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gtcttcagtg aagtttactg tatattataa acagtcatag aattcaaaga caatcatata 60
accaactctt ttggatggct taagatgtgc caggctactgt gctaaggaca agagatataa 120
ccagatacaa accagtcctc atcctcaatc attacttatt cactcaacaa atatttttga 180
gtacttaccc tgcaccaggc actagggata taacagataa aaattaagtc tctcgcttca 240
tgaagctttc attctgatag agggagacgg caataagcaa ataaatgggt tattccacca 300
ccccttcaag tcttcactca aatgttcctt tttcaatgag actatataac caacgtattt 360
aaaatttcaa ccaccatcct gcattcactg cttttcntct tgctaanggt gattaatatg 420
tntttatttg actgaacaca angggccnna tacttgggcc aacattatnc tgggtgtgt 479
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<210> 9454

<211> 467

<212> DNA

<213> Homo sapiens

<400> 9454

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gcagggggaa aggcaaggaa tatatcgtct acacaattgg gacaaattca tcttttctgc 60
tcttcacttc atgtccacat caaagtcag caccagcagc ttggtttctt cagtccatt 120
ccgactccca actgcacaca ccagctttgt gtttgaggct ctgatccgcc acacaactcc 180
cccactcccc ccactctcca atgtgactag gtttgaata aattcaccgg ttttcaagtc 240
ccatagtttt acagttccat catctgagct ggtaattaca aagttcttgt tgaactgtaa 300
acaggtcaca gcactctgat gcttgttggg accttgcaat gtttgtaaac actgtcctgt 360
tttgatatcc cagattttta ctgtanaatc tgcattccca caaacaaaa tattgtcttt 420
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gaattncntt ccncttgttn acaaaatggg tgncccgttt acntttt

467

<210> 9455

<211> 483

<212> DNA

<213> Homo sapiens

<400> 9455

gtcttttgtc aagtttatta tggttggtt gtcagctct taggaaagag ggtttggaga 60
cagaccggtt aggccaggaa aatttaggcc cacaagtccc ggtggagctg ttctgatgga 120
gttgttctaa tgggtgcttc tctcctgcag aacttgagca atcagtccga tgaccagga 180
gatgaccccg gcagagcagc ttgccactta ttagaactgg gttcatgag aggctcttag 240
gacactggaa atttcaagtt aatatactga ataggcttct ttcctgtgaa aattttgcag 300
gcattgtcca cgatggatgg aggaaaagag ggaaggcaag agaccaagct aggattgact 360
ccaatattct ctgccaccct gtccaacac caactcccat aacctaaaaa ggggtggagg 420
tggaatcaa atttgcnttt ggtgatagt gcaatttntt ccnactaat cntccnact 480
cct 483

<210> 9456

<211> 577

<212> DNA

<213> Homo sapiens

<400> 9456

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aaagtggcca caaggtctgc cattaactaa atctctttga caanccttca ttggtttaaa 120
gcatatgaat tagcttcttg ctatcaggtg tacatcattt ctgccatgtg ggacattttc 180
ttgggaatat acaagtaata ctccatgtag cctgacaggt cctcaatggt cacatcatcc 240
acnaaaactc gaggcttctc anaacaggat cgggganagg canacagagt tctggcgtgc 300

agcgactgaa antagtcctc aagtgtggat cttcgttctg gagccaaggg agggacactc 360
 tgcaggcctg aaaaggaata tacttccata tcatgccatc tcttacactg gcattccttg 420
 cctatgcatg tgcattggctt gccctgggtt aacttggaag ctgattgaaa attcnaaaaa 480
 aatcctgggc ttgaaantt gcttggggga nttgggttac ctcaaaagaa tctccctcct 540
 acnnccgan gggaacctg aanaaaattc tcaaagn 577

<210> 9457

<211> 549

<212> DNA

<213> Homo sapiens

<400> 9457

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 tagtttctct tctcagangt aaacactttt tcaaaaattc gtattttaaa tttgggggtg 180
 ggtaattcac atggtgcaaa catcaaaagc tatgaaaagg tgaagtttcc ctccatttc 240
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 caaagtttta taatatttgg aaaggacact gtctctcana ntccaccctc taagctaagc 360
 atttgtgata taaagtcagt anaaaatata ttaacatttt cccctttct agatgtattt 420
 ctagaaccan aaaaaggaaa ggcaccagg ggaattataa tctcnttaa agtttgaacn 480
 acccaattaa tttgtttctc nnaaaaaatt tattgtcca ttgtnactgt tnnaaaaaag 540
 gaaaagaat 549

<210> 9458

<211> 599

<212> DNA

<213> Homo sapiens

<400> 9458

特平 1 1 - 2 4 8 0 3 6

gatggaaaa tggaattctc agttcatttg aagaatacag attagcaatt aaaaaataca 60
gcagtatctc aggaaataaa cattattctc attttacaaa aaagtgtatg tgaacttta 120
aaaaatctac actacaatat gaattgatat tatctctggg tagaatgcta acaattttat 180

tttctccttt actgtattca ctaaagtgtt cacattaaat gttgtattac ctttgaaatc 240
agaanataca ttgtctaaaa ctgatacatc aagaaatagt tgtataagca tattacctaa 300
acacagaggt taccaacaga aattaaagt ggtaaaaaat gactcctggg gaactgtaag 360
aagangaagg tgaagggaan aaatggttgc tttccattct aaatcttcnc acaatctatt 420
cttaaaatca gacaaagntg tggtaaattt tttccattat taaaaaaaat tatttctctc 480
tataagaata ngcccttgaa aaaccatta attgttatag gttcccattc ctttntccc 540
ccccnttttt ttaaagtcca ccnggttttc cnaaatatt tccncccc ccggaccnn 599

<210> 9459

<211> 456

<212> DNA

<213> Homo sapiens

<400> 9459

atattagatt ttaaaatatt ttctttgctt ttattttaat gctttatect ttacttctgg 60
ctttganagt aacaggggaa agatttanct tcttactgtg aagaaacaga aaattantcn 120

<213> Homo sapiens

<400> 9460

gtgagtggca acattttatg tatgctaaat tggatggcaa tattagatta catcttctgc	60
aactgtgggtg tcaaaaatct gatagcaaat ttgattatct gttccatttg tgacattgta	120
tgacttgatg aagcattcca accacggata tgcatcaatt tttattcctg gaggacaaaa	180
catatccatg atcatatcca cacttttctg aaggicatca tccatcagaa cttctgatgc	240
tggaatctgg aanaatttgt canaatccat ganataggct tctagtactc ctgttccatc	300
atcaagtgtg aaggtcataa caaacacata ttggaggggt ncaataccca gtgcttctgc	360
cacagaaaga angaatccac gatgttttat caaccagggg aatttanatt ttgtatggat	420
ctcaaactan aacactgttt acatccctag tgatgttttg ttccctgtat aaaaaatggt	480
gctgaaaagg tccaaaattc ccaggtcctc cttggcccnna tntccccgga atttcccttn	540
tttaaccttn ttccaaaaat ttgcatn	568

<210> 9461

<211> 561

<212> DNA

<213> Homo sapiens

<400> 9461

ctgatttcat cttttattaa aaagctgana nttaaagaac tgtagggata actaagtcca	60
cctcaaagtc canacagaaa ctgccctccc aaagaaacaa tgtttcttta aaacaaatac	120
cacaccttcc canatattat gggtaggtaa gtgactagggt ttgcaaatt aatctatagc	180
tgcccatgtg catgtagtcc aaaaaacatg ccaagaagga anagctctga accagacaca	240
gaaaggcagt gtggcttccct cgctcaaggg gaatgcaaag ggctaananc cctggcttca	300
agcagctgtt atcctagatg aggaaaatgc aaacagattc aatctctggg atattgctgc	360
caacatgcta agcccttcac cagttgcctt gattcgaagc agttcctcta tgtntactgg	420
ctaaatgatg gactccggca gtgaaacca catactcagc aggctgcatt ctaatganaa	480
tgaangaatt taactaatgg tgtttgaact ggaaaaggta aggtctgaaa atcccattna	540

actggaaacc caaaaaaaaa a

561

<210> 9462

<211> 562

<212> DNA

<213> Homo sapiens

<400> 9462

gagacagagt cttgctctgt cacccangct ggagtgcagt ggcgcaatct cggtcactg 60
 caagctccgc ctcccggtt catgccattc tctgcctca gcctcccag tagctggaac 120
 tatagggtcc cgccaccacg cctgactaat tttttgtatt tttagtaaaa acgggggttac 180
 accgtgttag ccaggatggt ctgatctcc tgacatcgtg ttccgccac ctcggcctcc 240
 caaagtgtg ggattacagg cgtgagccac cgcgccacg ctaattttgc atttttagta 300
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 cctgcctcgg cctcccaaag tgctgggatt acaggcgtga gccatancgc ccancctatt 420
 tcattcattc taacacatct aagctganct ttgaagaaaa aatnggtgac agggaatcta 480
 cagccaaaan aantggttga agaattgcca ccaaactctg ttactaagg gccaantnc 540
 tcactcctnc aaacttcccg gn 562

<210> 9463

<211> 541

<212> DNA

<213> Homo sapiens

<400> 9463

gaaagtatth attgtttaat aattctttct cccctcagcc ccatccggnc actctctctt 60
 tctgcttttc tgatcctcct aaaggctgaa tacatcctcc tctgtgtgg angacacgaa 120
 gcaatactaa aatcaataca ctgatcagg tcttcatcan ataccacgtc actgtgggta 180
 nantgctagt tttcaacaaa tgtgggtgtc ttagggctcc acaaggtant cctttctcaa 240

ggtcgctggg ccactcatgg agttgaaatg ccgctgccc tctaagtaca acatggactc 300
 tccatatgtt tttgggaaaa ccaatggcac ttctttttcc gacatgaacg tgaaatgaaa 360
 gacattggtg gttgtatgct gcttctcctg cagggangcc acttcactgt gtactctgac 420
 ttgaatataa ttattctgaa ataaagcata cctgtgaana aagaaagaac nntgancccc 480
 ctccacaggt tccgaaacat gatttctcta ctgctancac aaacggtcna aaaacnccaa 540
 a 541

<210> 9464

<211> 460

<212> DNA

<213> Homo sapiens

<400> 9464

gtaataacat tcacatatgt aattagagtt taaaaatgta aaaaacttag ggtaacaaac 60
 actttaaact ttttttttag acattcaata agccattct cccacaaact gtttgattac 120
 aaagaagcac aatgggttaa ctgtggcaaa acataagaaa taaggcaggg gaggcagata 180
 cagacttgan aacataagga tatccaaaca attttgtcaa tatcaaaaga caaatcaaa 240
 acatctttta taatataaaa caaatccata taattaaata ctaattaggt gaaanattat 300
 aggttatata acatatattt tctctacata aatttgcata tcttaaattt aatgcaaaac 360
 atcatgttcc acttcaactt aacatcntaa catgttantt cttggtgant ctanatntta 420
 tggaatgaat atttaaatta aactncaaaa atcctancca 460

<210> 9465

<211> 349

<212> DNA

<213> Homo sapiens

<400> 9465

atttctgaaa tttttatgtt tcatttttcc cagaggaata agatacattc tgatcccata 60

ataatcgaat cacaaaagaa accattgagg gcatttgctt tgctgaactg atgagatgaa	120
tgattaattg tctggaattc nncttcctgg agaggcaaat ggaggtntag gaaggccnaa	180
aattaaaatt aaaattaaaa acccnaggaa agagaagaga anaaaaggaa agtttaagag	240
aaaaagaaag aaacnaagga gaaaaaactn tnaagtngaa aanggagaaa gtggaaaaaa	300
tattccnttg gggtgtatat tgtcttctag ggccccntga caaaatacc	349

<210> 9466

<211> 566

<212> DNA

<213> Homo sapiens

<400> 9466

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tcaggatgat caccacatt ggccctccaa agtgctggga tcacaggtgt gagccaccac	120
accggccca taaacatata tgtttaata gagctttaat gaaataggat ggangtactg	180
aatttgatgan tatccttttt gctttttgag acagantctc attttgtcac ccangctgga	240
ntgcagtgg gcaatcatgg ctactacaa cctctgcttc ttggactcaa gtgattctca	300
ngcctcatgc acccaagtag ctgggattac aggtgtaccc caccacacca agctaatttt	360
tgcattttta gtaaaaatag ggttttgtca tgttgaccaa actantctca aaccctggct	420
tcaagtgatt cccacattg ggccctaaaa attgctnaaa attaccactg aaccacacct	480
gttgaatatn ctttaaata gattataagg tttttgcctt ggaacaantt ttcnggaaaa	540
aaaatccaaa anaaanaacc cticct	566

<210> 9467

<211> 545

<212> DNA

<213> Homo sapiens

<400> 9467

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tcattaggct tttgtttttg tttttggttt taaataaaaa cactttattg cacaaatccc	120
acaaaggtct caggccctgg gtccaagccc acagcccca cctgtcccct ggctctgggc	180
ctggtctttg gtgcccaccc tggcctcaca tgccaacgtc ttctgtggan tgtgcagggtg	240
tccatgancg ttcctgtgtt gggggaancc tgcctgggcc acaagtaatc aggcactgtg	300
gcagcctcac aatnaaaaca ggtgggggtg aattgggtcc ccacctgccc angctcangg	360
gccacagggg tctacacagt cctttctgct ttgaaacacc tngtaaattg tgggtgggaag	420
gaacatggca ccggcaccaa ncaaggaacc cacttgatg gncacaccaa ctgccancaa	480
tnccgggcca ancccacat gcacaaggaa acttgcnccn cctccccctt taaaaacccc	540
ccnaa	545

<210> 9468

<211> 532

<212> DNA

<213> Homo sapiens

<400> 9468

actggtaaat tcattttaat aatgagggga aaaaacttta gttattaaaa acaaaagaat	60
gaatacacat acacacacta aatgtggcag atgtttccag gagagattag caacagagag	120
gccacatgat caaataaaat ttacactttt gatgggattg tcccctcgcg gccaccaag	180
tgtttgtgga anaaagtctg gagttgtttc caagcatcca cctgagccat ggcatgagcc	240
ctgggctccc ctcccanat aataggactg cccaccaagg catgcaggga ancccgacac	300
agggggaant aaggaggctc aatatantgc cctgtctctg ggtaacaaat gatctggggc	360
tttctcctcc catgggcctg caancgttta cangcctcnt taacataaaa atccctcctc	420
ccgttggttg tcctncctga cctanccaga aacaggaaag ttctctctgc cctttncccc	480
aggaaataaa ccnctcctgg ttcggttcct cccaaanggg cnnttcagg aa	532

<210> 9469

<211> 505

<212> DNA

<213> Homo sapiens

<400> 9469

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caccataacn tttttattaa ataaaggga atattaggag acgatgtctg ctaanatagg 60
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ccganagana cactttaagt tncccaaga gtacaaatcc catctatgaa acagcagtgc 180
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aaciaatgtg gccaganata ccacagagcc ctgaaggga aaggcctcac tgctggctcc 300
gtancaatgt tgaccennaa acagggcagg ccangggant ggcagggcgc ggaggggtgg 360
aaaggaggga ngaaaaaaaa tacaccctc cagacctgcg gcaagcgcca ctatgggatt 420
ctgaagttag cgtcnccctc caatttncn ggaaagggan tgcctggccc aacangggca 480
atttttaaag ggccnggatt tntcc 505
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<210> 9470

<211> 543

<212> DNA

<213> Homo sapiens

<400> 9470

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ganacggagt ctgctctgt cgcccaggct ggantgcagt ggcacnactt cggctcactg 60
caacctctgc ctccgcctcc agagtagctg ggactacagg cgcccggcac catgcccggc 120
taattttttt tgtatttttt antaaaaacg gggtttcaca gtcttagcca ggatggtctt 180
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gagccaccac gccagccaa agcctgcctt tctcttctc tatccatcct ggtctcccca 300
tttagggggg gctctggttt ggctcttct gccttgtggc cattgcctt ggactcttag 360
cttgacctc taaganatta agtctacac ctcatcttg ccacttcta cctatcaagn 420
aagtgacttg ggcaccattc tggacactaa tccttggcan gctccaangt tctatccta 480
cattggttgn aagttgggga aaaaactgtt ggtcttttat taaacnctn cccccctc 540
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nan

543

<210> 9471

<211> 488

<212> DNA

<213> Homo sapiens

<400> 9471

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atttctgaaa tttttatgtt tcatttttcc cagaggaata agatacattc tgatcccata   60
ataatcgaat cacaaaagaa accattgagg gcatttgctt tgctgaactg atgagatgaa  120
tgattaattg tctggaattc agcttcctgg agaggcaaat ggaggtatag gaaggccaaa  180
aattaaaatt aaaattaaaa accagaggaa agagaagaga agaaaaggaa agtnaaagag  240
aaaaagaaag aaacgaagga gaaaaaacta taaagtggaa nagggagaaa gtggaaagaa  300
tattcctttg gggtgtatat tgtcttctag ggccaccatg acaaaatacc acgactgggg  360
gatttaaaca acaccagttc attttttttn cagttctgga gactggacct cccanatcna  420
gggtgcaggcc anactggttt cttctgaagt ttcccnccct gggtttacaa atttcttct  480
cttactgt                                         488
    
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<210> 9472

<211> 561

<212> DNA

<213> Homo sapiens

<400> 9472

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atgctangga cgtggagatg ttnaaacgac aaccaaaaat atatatatna aaacaggaat   60
gaaatctgtg anaagaatat ttttggttct aaagacgggt gcatccgttt gtcttcnccc  120
gaatcccttg ctggagacca cacgancant gacattgcac ggananggca gctttggggt  180
ccgccgccgt cactgaaacc accggaangc ggctcccgtc ggaagcatca ctttctccan  240
ancagcggaa gcttcttttt gagttcctcn cattttctga atttgcaaat ctgatggcca  300
    
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gtctttcgat tcctacaact gctgcactgc tcgcanttga tgcncnccg gcagggcgcg 360
cacattccgc agcgtttccg cttcttcttg ccgganctga tggcanaagc cagctctccc 420
tgcattgggt atcaccaagn cncctatctt ctcccgtctt ccggccanga aaaaacctgc 480

ccggggtcnt tataaaaaag cctgggttna ttggggaaac ccccccttng ggganattcg 540
aatggccctt naagggtncg g 561

<210> 9473

<211> 462

<212> DNA

<213> Homo sapiens

<400> 9473

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tgatttctcc aggtctctgt caggcttgcc accttttggg ccactgaagg tttgtgacct 120
acagcaaagg cagaggcaaa ccacccacc cttctctagt tggggctgag aaagagctgg 180
gaccctggca gccacacac agtctcttca taagctgtaa taaatcactt atactccttc 240
tcccaaccgc ccagctagge ttcctactta tgaggttttt cctcttctag attgttctac 300
taagtgttca tttaaaaaac gcttttgttg tctaccttgg ggnaagggtt tcacatcaca 360
gactgtcctt cccagttcca gaatgttcca tctgtgtcca ttcaaaanga atcaataaat 420
ctctttaaag tncnataatg ttnanaattt tnggtntttt ct 462

<210> 9474

<211> 280

<212> DNA

<213> Homo sapiens

<400> 9474

caagggttta ataaatttta tcttgataac atcaaaaaca agtttagctt ttacactgca 60
atataaaaat acattagtct tcacattagt ttacatgga aatatataat tatttgaata 120

tttaaata gcttttcttt aaccaaaaaa aaaaaaaaaa aaaaagtgtt actcacagcc 180
ctagttacat aaataattta aatgcacaaa tgcaaaaaca cacttcacac ganattgtnc 240
acatactgnt anaacncggn acaattacna taaaaattct 280

<210> 9475

<211> 366

<212> DNA

<213> Homo sapiens

<400> 9475

gatctacctt ttggtaggaa tatttcagcg ggggcatatg accttgtggc attgaataga 60
tattcataaa gttgcttagc ctcaggacat atgctcagga gactttctac agaggctgat 120
gctagcagtt gctggcatag tccgtgcacc aggcttccac tgtacagtcg agttaggtct 180
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tgccactgac agaagatgtg agctgtgtct aagtccagtc ttgtgcccag ccgtgtctgc 300
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<210> 9476

<211> 405

<212> DNA

<213> Homo sapiens

<400> 9476

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tgcatgcagc acacacacac acacacaaaa accaaaaaca aagccnaaaa aaaaaaaaaat 180
cccaaacaca acaatccatg attgttcaat gactcctgat gccgggagga caggctgtta 240
aaaaaatttg tctcccacaa tatctctgga gtgggcacaa agcccatcac ctgttagtga 300

tcacagacat tcagttaacc tgccttccn gtnatcngaa aaaacaattc aaacccggaa 360
ttccccaaaa ccntnttttg gtgaattntg ggtttgaaaa naaaa 405

<210> 9477

<211> 374

<212> DNA

<213> Homo sapiens

<400> 9477

gggaacaaaa atttgctttt aaaatgtgag tttataacac ttgaaggatt tcattcttaa 60
ctcccaatta tataattaca aaaaaaatcc aagtttcagg aaaacatact taatcctaac 120
ataaaattca tgtcacttat cacaaagaca gtcnagtgtt taaaggagaa acaaaacaga 180
agcagtattt acaaatttaa actacatgan atgttgtgaa caatcttttg ttaataaaca 240
gcacgttaca tacttttaca tactacattt caaaaatgca tctgtgaata atatgataaa 300
gcgcatagtg ttgaanactt taaattaaat ccnaggnent cntgttgaan acctgaaatt 360
aaattcnagg ttgt 374

<210> 9478

<211> 443

<212> DNA

<213> Homo sapiens

<400> 9478

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gatctttatt ggcttatatg caaagtttca ttttggtttt atgcanantt tgcatagttc 180
atgatttggt tctaataaaa aactaaatgt gttgccagtg actgtgaaaa aaatcaggtg 240
acagtagcaa acagaaaaat ctgaanaaaa agcntaactt ttaaagtnaa aaggtcngca 300
agaactgctt cagctgcagc cagtgatgtc acctccatca gggtcactgc tcggaaagca 360

aacacggnag ctgccagcac agcaagaatt tccaganaat tgtntcctan gattctatcc 420
cntaaaagca ananctgac tgt 443

<210> 9479

<211> 496

<212> DNA

<213> Homo sapiens

<400> 9479

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tacaggggcc tgccaccaag cctggctaata ttttttgtat tcttagtaaa nacaagggtt 180
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tacacttttc caccaacatg tnggtatttt catgtgggga attaaccggg actggaggan 360
ggaggtnagg aattgatacc tgttcacttt gcaactaaca aangaaaatn ggttctttna 420
aaacatttac ttttttccat gtnggcccaa nataaacacc ttaaaattta attgtttacc 480
ttnaagggtt ncctac 496

<210> 9480

<211> 346

<212> DNA

<213> Homo sapiens

<400> 9480

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ggctccccta ntgccgttg gcctccttc cacacangct gggcggaac ggcaaatnan 180
cgactaacc ccnactaaaa agcggctgct gaaaagccca agcccacctc tgttcaaac 240

aagttaacaa anttcanaag ggaagaaaaa aaggganggg aaagattatt ctcnnaacag 300
gacccccccc ccctcctgaa ttattaanga nggaaagggc ttccca 346

<210> 9481

<211> 490

<212> DNA

<213> Homo sapiens

<400> 9481

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catatttaaa acgcctacaa acagcctttt ttttttaggc aacaaaatac gtccagtcct 180
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tactaagtat gcaatacata ctttttctta ctaatatatt atacattaaa ttaccngca 360
gcattttgaa attttaacat tgatgttaaa caacttttga aagatttatg aaacaagttt 420
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<210> 9482

<211> 561

<212> DNA

<213> Homo sapiens

<400> 9482

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aactacaggt gtgtgctacc actcctggct aagaataccc tttgtttggc tggctcttacc 180
ttatagaaag agtaacagta atagtacagt gctactccat tatcaatagg atatgtaact 240

gtaggtttgt actacactag ttttgcacaa tcacctgtat aatcactggc acatggctct 300
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taattctcta gctctccact ttagaaaagc cagaatataa accctcctgg ggatatgaan 480
atgactttcc attttgaatg atctctgaaa tccttaatgc ntcnggatta tattaatttt 540
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<210> 9483

<211> 457

<212> DNA

<213> Homo sapiens

<400> 9483

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ctgcttcctc acatantgaa agggacaang caactctttg ggatctcttt tataagggac 180
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gaccacanct taaggacang ggtttgggn agttaaaaag gaacttccaa ggggaaacca 360
acattactaa ttttagattc ncaactattn anaatttgaa ncttctgaa ncttttact 420
atccattttc cccatanttt aacacaaata atatgnc 457

<210> 9484

<211> 559

<212> DNA

<213> Homo sapiens

<400> 9484

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agttttgaat	taaaaatatt	catgattttg	cattgaagca	tcctgcctgt	gaattaagta	180
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tgcttttaat	tgtattgttn	cgttttcagt	agaccaatgg	aaaatacnta	naatccaact	480
gcaaaaaaag	ttaggtaatg	ccggaatgaa	tnctctaacc	atatcngggt	ttttatttcc	540
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<210> 9485

<211> 567

<212> DNA

<213> Homo sapiens

<400> 9485

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aaacatanac	tttaattaca	ttttgttgaa	aattcattca	actttggtgc	tigtaaaagc	180
acttatgtca	atttttgaca	caaatacata	ccctcagtac	acaggtattt	tcaaaggaaa	240
caagtcactt	taaagtaata	tttttctata	tgctaattga	tacatcttta	tagcaaattg	300
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acatatatat	ttcttantgt	aaaggcagca	atgaaatttg	tgtctcacia	taaatctgta	420
aatccagttg	ctttctttct	ggaaatttta	tatagtgtcc	nccatnttcc	acaatgctgg	480
aaatntcttt	tttggcatca	atctatgccc	aaatttccga	atacntnttt	ncnccaaatg	540
aaatttactt	ttaaactttt	cccnaaa				567

<210> 9486

<211> 577

<212> DNA

<213> Homo sapiens

<400> 9486

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agtggacatc cagtacaaag aananattcc atgtttgtgg ctcaatgtca tacacttaaa  180
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tttgacataa ggaatgttcc atatccatgg ccgatcttta cttccataca gttctggagg  300
cnaatcatat ggcacaggga aaggtggccn ttggctcctg gctgccancg aaaaacttct  360
gtttcacttt gaaactgtct aaaaccaa atgtgaangga aagaaaanga acccnanctc  420
ctaggaacgg atcatcacct gggttccatt cctcctccaa tgctcccan gccaccttgg  480
aaciaatttg cccttntnac aaggaaccaa cccatttinc tgaattcttg aaaaaggccc  540
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<210> 9487

<211> 550

<212> DNA

<213> Homo sapiens

<400> 9487

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tatgtgtcaa caaatacag tctttaaaac ttaaataatca tttaaacaga cttaattgca  180
tacattttat atacncacaa agtcaggatt ttacatggc agggaaatac tgtggaatga  240
tgaggctctg agganacana tgctatcaaa tgaggactct ggggtggtat tttctaaaaa  300
tggggttctg aaataaattt ttattgtatg tagcttattt tacttctaag aggaacaaaa  360
gatacttttg ggcagccaaa gtatttctac ttctgtcta aaacattcag gcnaatgaaa  420
tgattataat aattagggtta gnccttatt aatctctcgg tctccatttc cttatcttcn  480

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taatacccan aaaatttate cttcctttct ccccccancec cncctggcct tcntnaaatt 540
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<210> 9488

<211> 536

<212> DNA

<213> Homo sapiens

<400> 9488

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 tcaataaaaa ganaattttg taanaaaaca ttcttggcat gaaagctcta acataaattc 180
 tgtaatgaaa tatttaccat gcaactttat tggcanaaag gncagtttct gatggctggt 240
 attttcagtc tcttaacaca ttaacatggg aanatactta acctgcttta tttagagtta 300
 attgtatata aatacaaaagt catgatgggc aacctttcca tantccacct acttaattga 360
 ncagttctaa gtangtaatt ggcaccttgc ccttctgggt tcccccttcc cccattagcc 420
 agtctgaatc cattccaaca aactgaaca cagtgatccc tcntctgcca aaaatnataa 480
 ttcctactg tttgctgcnt ccnaacctan aaaaanccgg gctttctggt ggcact 536

<210> 9489

<211> 542

<212> DNA

<213> Homo sapiens

<400> 9489

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 ttcagggtgg ctgggcactg caaactgctc cctcctctgt ggtccctgaa aaaaccacaca 180
 cgcctgcttc anacgtntcc acgcacacca gtcctcacag acacacacac acatgcatgg 240

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 gggctttccc cnggaaaagg tntgggaaac actntttctc tataacccca agctaccctg 480
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 tc 542

<210> 9490

<211> 443

<212> DNA

<213> Homo sapiens

<400> 9490

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 acgggtcctc atctccgatg gagtccttgg tctccactag ccgcagaant ctggganctg 420
 ttntttngca atctctanct ntn 443

<210> 9491

<211> 526

<212> DNA

<213> Homo sapiens

<400> 9491

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 aactgcctgg gcattcaatg gcccгcaacc ctnttccanc ccaaaggtaa aactccgggc 480
 cctggggaan tccanaaac ancccгaaa tggggnaact ntttgg 526

<210> 9492

<211> 543

<212> DNA

<213> Homo sapiens

<400> 9492

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<210> 9493

<211> 532

<212> DNA

<213> Homo sapiens

<400> 9493

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<210> 9494

<211> 568

<212> DNA

<213> Homo sapiens

<400> 9494

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<210> 9495

<211> 404

<212> DNA

<213> Homo sapiens

<400> 9495

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<210> 9496

<211> 575

<212> DNA

<213> Homo sapiens

<400> 9496

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<210> 9497

<211> 564

<212> DNA

<213> Homo sapiens

<400> 9497

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attttaaaaa naanttncna aatt 564

<210> 9498

<211> 568

<212> DNA

<213> Homo sapiens

<400> 9498

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<210> 9499

<211> 484

<212> DNA

<213> Homo sapiens

<400> 9499

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caggcgcacg ccaccacacc cagccaattt ttgtattttt ttgtaaaaac anaattttgc	180
cacgttgctc ganctgggtc ctaactcctg ggctcaagct tccacctccc aaagtgcctg	240
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ccgt	484

<210> 9500

<211> 513

<212> DNA

<213> Homo sapiens

<400> 9500

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caactgctga ttcaaatact gtcacaaaat atttgaaaat cgatctttat gtatcaccaa	120
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gtaacttttc cataagtagt atccacaaat acaaaatcac tgaatataaa ttttcagctg	180
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aacagatttt ctgcaaccat ttcatcttta agatgaagtt aaagatttgc atttgaaatc	300
tcccattatt gaattggaag tagcagttcc agttaatgtc cagcatcctc tgaatgccaa	360
tggtctttga gtaaacatat gaaccttcat cgcttttagt tgtttaagac accacttcac	420
atgatcagta agtnacaaca acaaccnctt ggtaaatacn catgaatgcc aatcccngtt	480
tnaaanattt ggggttaaag gataaaacnt ttt	513

<210> 9501

<211> 482

<212> DNA

<213> Homo sapiens

<400> 9501

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cttggatatgc tttcagggca gctgcctcca ttgcagcaaa ctcctttgat gccttttctt	180
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ccttatgatt ctttctctt tcatgaaatt caacactctt gaaatgaaaa gagaaaataa	300
caaaagaaaa ctacataaac atcataaaat tcatagtaaa cataattttc tcataaacat	360
gagaaaatta aaattaaaat gaatggcaga aaanatgaaa acattaattt aatgcaaatt	420
gggcccttta atcnaattna atgctnggga actaccttgg ttttaataata atnttcnccg	480
na	482

<210> 9502

<211> 323

<212> DNA

<213> Homo sapiens

<400> 9502

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acagggataa ataaatcaat aataaataga aagcaagcag cccagtcctt gatccctggg 60
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gctggccagt ccanaaggct ccaganggan gcaggcaggg tcccggggcc ctcggcgtgt 180
gcaggtctgg ctcaattgtt attcattatc caccaggang ctgggaaaaa cacagtgggt 240
agggtgtccg gggcccnan gtggtccatn aagatncgct ggaangcctt gctgccangc 300
gactgctggt gccttctcca nga 323
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<210> 9503

<211> 395

<212> DNA

<213> Homo sapiens

<400> 9503

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atcctcccgc cttggcctcc caaactgttg ggattacaag catgagccac catgcctggc 120
ctatcaattt ttctcaccat gacaactgac ttgggtcatg tcctcatttc acacctgcct 180
cattgtgctt tcccatctgg ttctganttc ctctaggatc aaaggaccaa gttcttacta 240
ttcatgttca tatcccagtg ttattgcata taatttcagc tggctgaaaa aaggattata 300
tgtaaactga aaaaacaaca acaacaaca aaaaaacaca tatctctgct gggnaanaca 360
tgaaactnn gnggaaagat cntnggatta ttacc 395
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<210> 9504

<211> 558

<212> DNA

<213> Homo sapiens

<400> 9504

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gaaggcccat ntttgacctc ccactttatt caantcncct aggactaggg ctggggcctt	180
cctaaaaanc cctctcaaaa acctgttctc acccaccac cactcccgtt gtcaggccca	240
gggaggaccc atgaatgaca aaaatcatnt ngggatattc cctgnactgg gaatcccctg	300
ccancttcaa ggacatntcn tctgacacag gganaactga catctgtcat attcttctgc	360
ctcacgttca cacacacaca cacacacacg catacncact cttaggcttt caaaaaagga	420
atttatntgg caaaatttac cnetggccct tttccccccc cctgaaaga atccctnnaa	480
aatnaactt gcccaanggg gcctcnttct tggttgccc aaaattgccc cctgggccc	540
acttatttta acnctttt	558

<210> 9505

<211> 465

<212> DNA

<213> Homo sapiens

<400> 9505

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gtatttacac attgaatata aaataaatat aaagtaactg aaaaacaaat caggtttcca	180
ttgacttatt ttgttttccc actgtccatc ctctgtttca ttttctttg ctttttgtaa	240
atccgtttct ttcttgcttt caaatcaact ttggctctg gttttaccca ctgtatttct	300
attggtttct cctcagctgg tgttacaaaa acatctgcag tgggatcatg tggaaaaaaa	360
ntcttcggct ctttctttct cagtttttgc acatctttca cttgctgttt ctctctgtat	420
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<210> 9506

<211> 548

<212> DNA

<213> Homo sapiens

<400> 9506

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aagtcccaca gcctcccctg acactcaggg agaatcctct tgtgaatcaa atacaaaagc 180
aaacgtttgt tttgtatttt catttatggn tgccttaact tatacaanaa ataggcaaaa 240
agtcttaatc acattgcttt gagcgtatgt aacatcttta aagactgtta attgatgtca 300
tactccttaa tctttaaaaa taccacctg aggagganat ttgtagtttt acccccattc 360
tacaaaaata aaaataaaag attaaatcat atacacaaag tctagaanag gaatgattag 420
ctttagtgtg cttgttttaa tcaagcatga nnaaaactaa gctaattccn tacattgggg 480
actgaagaaa atntnttaat taatttgggc ncattacaat ttgttccatt tgggccaaaa 540
aaaactan 548

<210> 9507

<211> 585

<212> DNA

<213> Homo sapiens

<400> 9507

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ctcttcctcg ggangccgtg tcgccacccc aacccttgac ttctggtatc accatctcct 180
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gtttgaangt gccctcaggc ttggcaggaa ccacgtggac aaaagtcttg taaaacacag 300
cacccttggg cagcctggtg atcanatcca cagcctccgt gtttctggga tgangcacgt 360
anacctcctt agtgtancgg actatccctt cttccagggc atacagacat ttattcttcc 420

caacacccac ctgcaacaca caaacctggt cactggtcan ctggtcatta aggtgtcent 480
 cccaaaattt tggganaaat tctcacaca aaaccgggcc ctggggcnaa aaggttatna 540
 aaaaacnecn ctcaggtttc cctttcnct gggttaacaan ttcaa 585

<210> 9508

<211> 530

<212> DNA

<213> Homo sapiens

<400> 9508

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 attcaggnnc aagccactac acctagattg catatttctt ttataactta taaaaatttc 180
 agctatatta aaaaacagaa tagtacaagt ntccatcag tcagcttcaa atttaccaaa 240
 atcagagcca gtcttggttc atttgaacc cctccactc aatatgaatt attctgaagc 300
 aaattccagg cattttatca tttaatccat aaatcatagt atctttaaca gataggtttc 360
 aaaaacaacc acggtacat tattcatgcc taaatgaata attccgcact gtcatacaat 420
 atccagcgta cacatttctt ggaagtttcc ncaaagattt ttaaaattaa cttgtttgaa 480
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<210> 9509

<211> 283

<212> DNA

<213> Homo sapiens

<400> 9509

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gcgggggtag gggagcgggtg ggaaangggg gtgggcnacn actctnatan anggaaaaga 240
ggaanggaaa gttggggcctt actgcagggc aagctcctta gga 283

<210> 9510

<211> 454

<212> DNA

<213> Homo sapiens

<400> 9510

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agcccttcct cagaccatg gtccatgaca aggggcaggg cananggggc ctggatggga 120
ntccttgttg gggaccaggc aggggacttg gatcaacaag caccagacna ntggcggggg 180
caggcgagag gctcantggg acctccacc tcgttgcccc agctggtggc tgaccangtg 240
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gactgcacag caggggcccc tacaggtcc tcaggtgact gggctggagg ggctggcgca 420
aatgtnnaaa gtctantcnc tncngccgcc ccna 454

<210> 9511

<211> 568

<212> DNA

<213> Homo sapiens

<400> 9511

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aacattccca aaagtacaac tctaaaaatg tcagttttgt tcatatagga ctcccaactt 120
taatgatata cccatcntac agccaggaag cagaacaatc cctccagaaa aaaagcacao 180
atgccaagat gctctecnac cacaattttt ttaaattctat gaaacaattt ccttacaoat 240
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taagaangaa gttgggcctg ttactgtttt cagaaattga aaagagtacc atcnttaaga 360
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 cccanttggg agaatttgtg gatattgctg gaanaattgg aaatgcnccc tattagccgg 480
 gtantcctct ccccaacccg ctgttttggc cnaaatttgg ccccaaattg ttttccccn 540
 ggggtttttg acctggtccc ccnaaaaa 568

<210> 9512

<211> 560

<212> DNA

<213> Homo sapiens

<400> 9512

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 caaagatatg tttatgttcc attaaccgag tatgaagcaa aatcattaaa atattacaac 180
 tgctaaacac agaagactag aaatcaaata gtttcataatc cagtatacag gcatcaaaaa 240
 cttcaatttc cagctgtttt ttttttctaa ttcatatcat ggatttactt acaaggagct 300
 tattcctatg ggattaattc aattactcaa tggtaaataag atttttagctc agaattttta 360
 aaggatgact tgctttaagt tactattcta cgtgctgctc tatttctgct cacacttgca 420
 tgtggccaaa cagatcatgc tctgatcaga taagtatact gtaatctact tatatgttta 480
 ngaattggca tagggttaaa aaggcccaaa ccgttnttta atacncattt tcctaataac 540
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<210> 9513

<211> 593

<212> DNA

<213> Homo sapiens

<400> 9513

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catctgcttg accggatggc tctgagggac agccaaactc ccaatggcca aagggtctgtg	180
aggaanggca acacgtatca naaaaatttt cagcaagggc tgaaacacag taaggtttagc	240
cacaaaatgg aatgagagaa gccctaacc aatgggagtt tgcctaattt taatgaaccc	300
aaactctaac attgtactgg aaaagcagca ttaaaatcca gcctgattat cacaatttac	360
agaattttct accanangcc cacaggtgaa aaggctgctt actctaaagc ccttagaacg	420
tattgtgaac tgcgcatgcn aaggatctag gttgcgtgct ctttatgana ctctaagcc	480
tgatgatctg angtggaatt ttctccncc accaccacc cgctcccttg aaaaactntt	540
ttccccaaaa ctggtncctg ntccccaaaa aggtttggga acgccgcttt taa	593

<210> 9514

<211> 486

<212> DNA

<213> Homo sapiens

<400> 9514

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ttcctaccat taaactggct tggttgttgt ttgggttggg ntaactgtgg gggcttgggg	120
aaaggtgtcc tttctttcta atantctcat gtcgcttttag gtcaactggg ctggcttaca	180
cgcgctgtgc ggtcttcatg gaaatgggan ctctgtntgt cagcacagga antggtctcc	240
cagcggtcag cctgaancag cccaagtcct gtaggtgctt gccgtctctg aagccccagg	300
aacatcagtg caanaaggaa aaaactgctg gcaaaaatna ctccaaggc tgttctccgc	360
tctggtggga caacctgggt gctggcccca aggggctcct ccaaaaanat gtgtgtgacc	420
tggcangtgt nantngcacc tgcanaacca agttctgccg tganaaaaga agaaatgctg	480
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<210> 9515

<211> 562

<212> DNA

<213> Homo sapiens

<400> 9515

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ccctaaaatc tgttttttct ttcttcaa ataatatcc accacagcta cttattctga 180
aaaaaaagtg gaaggctctg caacagggtt ccaccagggt gtttcagtca ctggctcggt 240
tcttcacaaa nagtctactt taaaaagaaa tgaanaaaat gaaattgaag cctcaaatta 300
acttttccat actttgtcaa gatacatctt tgctgaaact tatctgtaaa tgtgaagtgt 360
ttgtataaat agatcttaac tanaattttg ggatactgct aatttggtta caatcttata 420
aagccatatg aaagaaaaaa nccaattttt ttgaaaataa attttttttt ttanactttg 480
tttaaattct ctctgccncc gtnataccac ttattgctgg cggttnattc ccgaatttgg 540
ananccaac tgttnttttc gg 562

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<210> 9516

<211> 609

<212> DNA

<213> Homo sapiens

<400> 9516

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ctgttggttg gtctcttggt taattttaaa tttagcaata ccattctcaa cctggancaa 180
tcctggaaca gttaccagga tcaccttttc ctttcaatcc ttgtggcttc tgggaatctt 240
canaacctgg gtctgaaagg tgtttcctac atgtctcagg gctggatgca aacctggctg 300
gggacctgag catcaactcc catttagaat cagacatctc cttccctgc aaatgtctac 360
aactaccaa ttgctcccca acagttagct caatggattg aattgcaga accaactcct 420
aaaatgggga ctgcctggcc atacaactaa naaaaaaaat cnatttatag atgcttataa 480

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ggtgacacct aattaaaaaa tattagctnc ttccatatna acccaaattg attttgtgcc 540
caaaaaaacc ttttccccnt ttaccncact tttcccctga aaatccccctn aacccaaaaa 600
actccccc 609

<210> 9517

<211> 552

<212> DNA

<213> Homo sapiens

<400> 9517

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taatatccac tctatgaatt taggacctac tattactccc attttaaaga taagtacacc 180
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tanactcatg tctgaccctt cgcccatgc tcttaaccac ataatgcat cttttatttc 300
agtacaana caaaagcatt taggtcacac tcttggtgtt aaacaggaaa attatataaa 360
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gatatactta aaattttttt taagccgaag aaaatttact actatttacc atgacaattt 480
tnttaanttt ttaaaaccaa aaggttttta aaaatctgcc tcccaggtgn aaaanttttc 540
tttggttcn nc 552

<210> 9518

<211> 610

<212> DNA

<213> Homo sapiens

<400> 9518

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tacaggcaca cagcaccatg ttcagctaatt tttttaattt tttgtggana cgggtctcc 180
 ctatattgcc cangctggc ccaaactcct gggcccaagc nagtctccca cctcagcctc 240
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anaacaaaaa caaagtgagt tctacttgct actttaagc accacatgtg aatattcaat 360
 gatgtttcat tgcaaatgg aaactaaatc ccatttgtca attttggctt ttgttgccat 420
 cgcttttggg gttttaanan atnaantcct tgcccatgcc tatgttctga atgggtgtgc 480
 ctaaggtttc ctcnagggtt ttaatggtt ttaagggtcca anatttaatt ctttaacccc 540
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<210> 9519

<211> 597

<212> DNA

<213> Homo sapiens

<400> 9519

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 agggcagcta cacatgaatc caaatagtct aatctccaaa aggaacagag agtggattca 180
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 tgcaaatcca ttattgtcac gtcctcnat gtcttcncc ctgccctaatt tcnccatct 540
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<210> 9520

<211> 623

<212> DNA

<213> Homo sapiens

<400> 9520

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 aaactacttc tgagattctc tttcttttat gttcttctag ttatttttaa gaaagcataa 180
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 caatttttaa ggtgtaatag tagccaacta gataacttag cactgtgact atcacttttt 480
 aaaaatttgg tgatatacaa aatttttaac aaatcagata aacactccac ccctatgctg 540
 tccattaaaa aancctaata aaaatcctat atataaccga caactgcata ccccatnttt 600
 ntttttttnc cccaaattnt tnt 623

<210> 9521

<211> 566

<212> DNA

<213> Homo sapiens

<400> 9521

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 aggtctgtct tgttctaaag cttgcctttt gtaactcctg cacattaaac aaataatcac 180
 aactaatttc ttaaataatt acaanaaanc caagtgtttt gaagtataaa tacaaggggc 240
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aaaatgttaa acgccctctc ctgaacagtg caatancctt ctgtatacct ttgggaatac 480
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<210> 9522

<211> 574

<212> DNA

<213> Homo sapiens

<400> 9522

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 gtacattcaa aatacaaaat taaagcatga gttgtcatta atttgcagaa ttctatgatt 180
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 taacatcgcc atcctgcggc ttggtgaaat ttctgtctgc acaccactga aacaaaatat 420
 tgtcttgagg catacaaaact ctttctgtcc accttcttac aatatactcg aatcanctgc 480
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<210> 9523

<211> 558

<212> DNA

<213> Homo sapiens

<400> 9523

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特平 1 1 - 2 4 8 0 3 6

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catttactac caggaggaaa aaaatggctt cctgcaattg acagtctggg taaaggaatt 240
gctcaggtgg acaatccgac cctgacttcc accttgactg cgttccacaa tcacacaagg 300

tatctgtact agctggaaag gactcttccc gtctctcaat gcctgagtaa ggtttaanat 360
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<210> 9524

<211> 594

<212> DNA

<213> Homo sapiens

<400> 9524

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aaggagaaca agtgagattt taataggaag ataaaagact ctgccagaag tatttttttt 180
tttttttttt gagacanant ctggatctgt caccagggt ggagtgcagt ggancgatct 240
cggttcactg caagctccac ctcccagggt cacaccattc tctgcctca gcctcccag 300
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<213> Homo sapiens

<400> 9525

ggctttaaat aaagcgttta ttgattagta naagcatgaa cagtgtgcat aatattttca 60
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 anacctgcac gttctgggcc ttctcattt caccacagge ctgcccaccc catgaggcac 180
 cccctaaatc tcattctctc acccagcacc cccagcctgg ctccagcctg aaaaccctc 240
 ctcccccttc cctccaaaac agtggggaaa gcgangctcg gtccaccctt aactgcggaa 300
 agancanggc cangaaggca cantgctccc tctcccggtc ctggcccaac cactccttgg 360
 gtnaattggg cgggaaccac tgggctcaca ccaacttttc acctccctct ctcnnnaaa 420
 ggatggcncc cccctnangg gatgg 445

<210> 9526

<211> 392

<212> DNA

<213> Homo sapiens

<400> 9526

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<213> Homo sapiens

<400> 9527

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gtcaaaacaa ggatctgctg gtgatgcttc acagtgaac ctccattacc actgagaatg   60
tcacttgga aacattctta anaaatgagt ctctttctca taggctcaat ttcaggattc  120
tcaaactcaa tgttctgctc agaagtttcc atgatgaanc ctatttgtct ctgaggctgg  180
ggctctgcct ttanacttat tctgctccag tcataggttg tggttgtctt tgttcttggt  240
cagaacctgc aagtanactt catgaantgt nctgangaac tggaatcatt ctttattaaa  300
tgtattaatg tttcccgga ccgaaaactt gctgaanaat aatggaaagg cttcctctna  360
cttctggng ttccantatt tnaaagaaa aggggaactg gcttcnctc aaggtcc   417

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<210> 9528

<211> 390

<212> DNA

<213> Homo sapiens

<400> 9528

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attgtggtaa taaacacatg acataaagtt taccatcttc accatttttc agcgtatagt   60
tcagtagtat taagtatatt cacactgttc ttigcaaaac taaaactcat ttccattccc  120
ctccccaggc ccttggtaac caacattcta ctttgtttcc ataaatgtga ctactttaga  180
gacctcatag aagtggaatc accccatatt tgtcttctta tggntgactt atttactta  240
gcataatgtc ctcaagggtc ntccatgctg cttccctgat ttigattcta gagctcttat  300
ttcctactac tttcccta at gaaatgtact ttaattnggg ctatttinct tangnttttt  360
tnaaaggtat tttttcnggg gngaaatcct                                     390

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<210> 9529

<211> 327

<212> DNA

<213> H

<400> 9529

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cagactatgg aggattcncc accagactgg gaagcaacag caacagcctg ggctcganan	180
tgggacactg cactcaccaa actatggcgg attcaccncc agactaggaa acaacggcct	240
gggctccaaa ntccggccact cgtccgtgca canacaaaga naggtctcnt gaagcttcng	300
cacaatctag gaccnancct cttttgt	327

<210> 9530

<211> 528

<212> DNA

<213> Homo sapiens

<400> 9530

cttaaaagat actttttttg ttcaattcct ttgtaaaaac attggtcacc atttaacata	60
catggcaaca aaatgcaccc aatttacatg catcaacaag ttaataaatc ataatacatg	120
gacaacacaa atttaaacaa acaggactaa agtagctcat gttgcattta actatgggtc	180
ttgtgctcct aatagagaag tagctaatat gagaaacaaa cagttccagt ttcaacctaa	240
attaaagtta tttgtggcaa gtaacatgaa acaatgatca tatgaagtca ttatcttaaa	300
aagaaccatt cttcagaaat cactttgtgg caaagcacca tactagggtg gactatgatc	360
ttaaacadat accttcagtt aaagacaaat ggtctccatt ttttgaaaat tacctgaatg	420
attccaattt ttattatgcc ataaatttta tctttccatg ttnaaggtat ttttttgacn	480
cctnaattat tccngaaaaa ttcnatttaa ccattantcc cngggacc	528

<210> 9531

<211> 602

<212> DNA

<213> Homo sapiens

特平 1 1 - 2 4 8 0 3 6

<400> 9531

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taaacatttg caatgtccca aattactact attgttacga gaataanatt gctcaggttg 120
ctaaaaggaa tttttaagat atttctctt ttggttgatg tagtacctga tcagagttct 180
aaactaccgc ctaccaaatt tttctttgaa aaatctacct ttatatgtga aattaatata 240
cacatatatt ttaggtaaca gtaatttaca ggtttcttta ttaaattagg atctttgcat 300
taagcccaac tcatcactga tcaacatatt tcatgctgat aagcatttag caaaatttga 360
gactgatatt caataatatg tattaaatca gataatctga atgctaaaat agtttggccc 420
ccggaattat agttantttt aaatgaaaaa aaccctttt atccggccca ttggcaattt 480
taattttacc nggcanaatn cccccnaaa ttttttatgg gtctttaaaa aacaccggcc 540
tccccctttc ctgatttccc aatttttaac cctttnttgg gnaaangaaa anaaccctt 600
gg 602

<210> 9532

<211> 485

<212> DNA

<213> Homo sapiens

<210> 9533

<211> 516

<212> DNA

<213> Homo sapiens

<400> 9533

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aaaatttcaa atatatttta ttcaaaattc nccatttang anaaaagana tataacaatg   60
tttacacatg ctttaataac ttatttcact gtacaactta cattctgtat aacagtacaa   120
taaaccagcc aaagaaaata accagttagc acttaataaa gaatctacca tgtaaaaaac   180
acagtatggg acactacaag gtagtattta tatatTTTTT aatgactga gctacagtac   240
aacagtcatc tagttcagtg gttgtctaaa acatcaagct gtccacatct ttctgattca   300
tgatgggaaa gctattatga cttttcacat tcgaacatgt cttttgttg tgtaaatttg   360
gtgggtgggg ggcagaaagg ctctattacc tttatccctt tcttataaat atattttccc   420
ntttatatta ctccnnaat tttaaataaa atatttaatt gtgtttgggt tacnaccaag   480
ttcacattgt gttnaaaata tattaacctt tntttt                               516

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<210> 9534

<211> 472

<212> DNA

<213> Homo sapiens

<400> 9534

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aaccttatcc aacttcagta ttatttttagt agtaatgtgt ataaaatcca accactgctt   60
gggtgacctt aggagacagc aagcctaaga gatgaaaaca ttacacctt ttaattaaat   120
tacactgtca ccacataaaa gtgtgagggt caacatttgt tttcttaaaa acagagcact   180

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aaattat tttt ctgaaccaa tgtgttctac cttaccctan aattaaatcn ctgggaaata 420
cgggcaaaaa acaaaactccg cntgtgaaaa caatnggctt ntcccnctg ga 472

<210> 9535

<211> 488

<212> DNA

<213> Homo sapiens

<400> 9535

cctcaaattt tttttttatt gaaaaaaaaat ttcctattgt aagttttggc aaggatttta 60
tttggctaata caggcanaaa ggaaattacc cttcaaaaana cnattttctt taaaaattat 120
gcactcctgt acaatctttc tttttatcca aaaaagggtc tcatattatc tctatgacct 180
catctcctga aattacatta aaatgtttat tacaanac tttgtaaaaa caaatgtaca 240
accttatgga tatgttcatt caagggtgaca aaaatatatg caaaagggtc ttcactcttg 300
ctttctttgt aataaanaag tgaaaataat cttgtagtcc attcaacagg ggactaattc 360
aataagttaa agtatactcc tacaatggat tatgcagtaa tttataaaaa aatgaaggta 420
aatctattta aacncttatg gaaaggtnct tattantatt tantaanaag acaaaaantc 480
cccncccn 488

<210> 9536

<211> 499

<212> DNA

<213> Homo sapiens

<400> 9536

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tcacttcact atttacagta catgagcata gagattctac agtttctgtg atgtaaacaa 120
taaccccaca gtgggagttt gagaaaagaa gccagttctg aagtatttac agacattaaa 180
atagaacttt atactcacag aataataata catagagcaa tttggttaaa ttatctagga 240

aactatagaa tctgacaatg tacaatatac agaaaacatt ttctcattta gaaggtaaga 300
 cagagaaatc acaccagaaa taaaataggg acgatgacna ccacaataat taaaagcaaa 360
 gaaggttcct ccttgcctct tacggataaa gtatttatat aaataaggac acaacccaac 420
 aaaatggaaa aaatatataa aaatcctcta ccaatnaaaa aaaatagcna aactaaaact 480
 ngatcnnnat cattacnat 499

<210> 9537

<211> 548

<212> DNA

<213> Homo sapiens

<400> 9537

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 ggttgcaact atctttctct agaaaagaan agaactgggt attcatcaaa ttggttaaatt 180
 tgaggttcgt caaaaagttt ctacagatac agctgaatat actaaacatt gctctattat 240
 ctgttgaatt gctgtatttc actttttcag catttgggga tcattattta attgaatttg 300
 taaanacga ttttccanac aggtctctgt tcttccatga acaaatgata agaaacaatt 360
 tgactcctta tatgacaatg gaattaaata aattgacact cntctaggaa taattctcca 420
 tcntctccat ctctaaaatt acccctgcc aacaaanaat tgatctttct tccccaaaac 480
 cccttggtta nannatcttg tgactcngaa tgccaaaata attaattgaa cctncagggg 540
 anatttct 548

<210> 9538

<211> 580

<212> DNA

<213> Homo sapiens

<400> 9538

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 ttattcccca gtaattctct caaggtgggc atatgcaaaa cataatctct aaattcttca 120
 atactaagaa atacctttgt tttgccccta aaatcaaagc ccattttggc tggatatagg 180
 attctaggat taaagccttt ttcagcaga actttgaana cattgctcca tttacttcta 240
 gcatccagtg tgtccagtga taagtctgct gtcaacctga ttcttggtcc ttggtaggta 300
 atttctcttc tctctctaaa ancccttatt attttctctt tactactana attccaaaat 360
 ttcaccaana tgtntctaag aatcatctct tttcatcaat tttactaagt actcnacaan 420
 cactgacaat ctccanantt gaacctttct ttantttctgc caagtttctt ccattaattc 480
 cttaaataatg ttctctgccc aatctcataa ctccncttt ccggaatccn aaccaaacaa 540
 atttgcaatt cnaaattctc cccaaatccc ttggccttcn 580

<210> 9539

<211> 572

<212> DNA

<213> Homo sapiens

<400> 9539

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 gtggcttggg gtgaattatc ttggcatttg tttgtctgaa gatnactgta tctttccttc 180
 aaatatgatg cttagtttct ctgtatacaa aattcttggc tgataattgt ttgttttgag 240
 ggggctgaan atagggcccc aattctgtct taactttagg gggttctgct ganaaatctg 300
 ctgttaatct gatanatttt tcttttgtaa gttacctggg gcttctgtct cacagctctt 360
 aaaatggttt cttttggata acctgatgac agtgtacct agtgaanac ttttgggtgan 420
 gaatttcccg ggtgatcttt gtgcctcctg tatttggatg tctaagtctc taacaaggcc 480
 agggaanttt cccccattat cccccnata tntttccag ccttaaaatc nctcctcccc 540
 ngaacatgaa taccctaagt ttggtgttna ca 572

<210> 9540

<211> 383

<212> DNA

<213> Homo sapiens

<400> 9540

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agttggtgtn aaggaaaact tctgancctc gtcagttcac ctggtacatt ggaattaaag 120
tgcttgatg tttttccccc actttaaaaa aacttttgag gttttttttt ttttttgtct 180
tttaaaaaca tcgtaacatt aacacatggc cggtcacctt cccccaacga tgggancctg 240
cctggggccc anggtcctcc angatcttca ctcatcaca gtaacggttc tgaccaatcc 300
tccaagtccc acgtggatgc nacaagggtg gggaaggga gaaaaaattt ctttccccct 360
tcnnaaaaaa aaaaaaaaaan cnn 383

<210> 9541

<211> 509

<212> DNA

<213> Homo sapiens

<400> 9541

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ccggacgttc taactgtacg cacttcctat ttacatatct ccgcccactc cttccgcca 120
ggcacctacc gtagtaacca aaatagaagc gataccaagt atcttacggt ctgcaggact 180
anaaaacagc gttgtttttt tttattcag tagttcagcc atctcaattg tcccctaaaa 240
ctgtatataa gtcttaattg tactacaaa catattttat tacaagcac taaatacaat 300
gcggataatc ccagactcaa gacgtnatta ttccaacaca tctctccag canaancagt 360
ttccgagggg aaaaccgaan cctatgcctt cttcttcca agaaatacaa acggncttg 420
cccctgtngg cttcgtcctt angttccct catgaangta atcaaaangg ttcttttcca 480
cccaaaaacg ggacaaataa anccnttca 509

<210> 9542

<211> 461

<212> DNA

<213> Homo sapiens

<400> 9542

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ccaggttttc aagccttttt tttattanaa agcttaaatt attagctttt tttttaaaag 60
ggantagcca atatccattt ttgagtttnc tcaaacaaat aataaggata gcaaactagg 120
ataagaaaac acattagaan acagccttct acttcgtaca acttctagtt accttttcct 180
atccattcac ctacttctgt tcagcagcaa naaaaaaaat ccatttattt ttgccttttt 240
ggatttttcc aaaataaact tcatttacct gaatacaaac aaaagctagg gagatggctt 300
ttatnttggc ataaaccaag gacatntctc acaaaccagg aaaaccctgc ctcgtatggc 360
ttatnttgca gtttggagtc caatggttat aaaaccaant gaaantccaa caatntccca 420
aatgacncca attgacnnnn attatgggaa accctgaatc c 461
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<210> 9543

<211> 540

<212> DNA

<213> Homo sapiens

<400> 9543

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gaggttcatt ticcatttcc tcagggttaag ggtngactac ctangaactt attgcatctt 120
taggccagct ggcttantgc tacccatctg aacccccana ttactacca agtcttctt 180
ttgccccttc ctgccctaac agcaagtncc aggccagtcc cttccccanc aaatgccagg 240
ggcttcatgt naaaaagaac tggccacaan gctgaaaggg aagaagaaaa actgtttctg 300
cangaaaaga naacaatgcc tccaagctct tgggcatctt cccatttttc taaataaaga 360
naaactcaac tctggaacct ctggtngcaa aaaaaaagaa gccgggaatt tggcctgggc 420
ttcaaatacc ctgttctgga tggattcccc aatnanaaaa gncagggtcc tgggaactgn 480
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aatccccag ggccattncc aaccctttcc cttaaaaggn gnggcatgcc cattcctctt 540

<210> 9544

<211> 533

<212> DNA

<213> Homo sapiens

<400> 9544

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 caatctgatt ataccagcag tttggtaaca tatcggtana actgttctgt aaatgcttca 180
 ggggaaaatt tticcttcac tctggctctt ccagccaggc ccatgggtggc ttttaaggaa 240
 ngttcacgga tgaacttttc tattgcttct ganaagtgca ccgggtcagg ctcacacana 300
 aaccctgtga cactgtggtc aatggactcc aagggtccac ccgaattaac agcaatgact 360
 gggcactgca tgtacatggc ttccanangg acaatgcaa agtgctcatt gcttggtgtg 420
 ttaacacaca ctttactgt tggaagaang aaaatttcct tttttctaaa aaaaaccccn 480
 naaaggtcnn ttcttggcca aggtcgantg ttngaccatt tntccattc ccg 533

<210> 9545

<211> 500

<212> DNA

<213> Homo sapiens

<400> 9545

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 gcaaagggat ggcaaaaaaa tctttccaag aaggntcaat ccactaagaa attatggctt 120
 aaaaaaagga acagctcaaa aaacccttga aaaagggtgag ggtctggaag actcctgtgg 180
 tgcangccat ctcccgata nantgcatgg ccagttgggg gctgcctaaa tccancaccc 240
 gcagccccag ccgaaaaacc aaaataagtc cnatgggtgtg tccacagggg gtgtcnttcc 300

ggaccatgaa atcctgcagg gggaccttga ctttgttggc cacctctcgg atcanggcct 360
 ctgacaccgc gtttgaaaca taacgttgct tgctgttccc ttgatcaccg ggcccttggt 420
 gaataaaagg ccgtnggttc cncctncct gttecnnttt tttgggaatc cccaccttgg 480
 gccctttntc cccntntttt 500

<210> 9546

<211> 585

<212> DNA

<213> Homo sapiens

<400> 9546

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 aaccatcaac aacatgatca gggtttcatt gcccagatg ttatttcatt ggtacattat 120
 attgatattt acaaaggntt tcaaattcaa caacacaaaa caaacagct taatttttaa 180
 aaactacaat gctttaaaaa aatgtaaaca gtttaatttt tacattattg taaaaaagaa 240
 gactcactcc ttaatgtggc ttaatttttt ttttaagtgg caaagcctgg tgctcntgga 300
 taaagaatga aaataattct ttacatagaa acattgtgct ccagtgtggc aaagaaaaaa 360
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 tcttgcccn aattgagaat ttataaaaac catttacata tggttggtga actactggaa 480
 acctatntac cntttccaaa caatacccct ccaaaaaacc ccttttttta aaattaaatt 540
 ttgtgccaaa aaaantgntt tancctaaaa canacatccc ccctt 585

<210> 9547

<211> 588

<212> DNA

<213> Homo sapiens

<400> 9547

ggttggtttt attttttttt tcattaaagt ccattgatca tcacaaaaac ccangaaatg 60

特平 1 1 - 2 4 8 0 3 6

caactaagga naaaacaaac gtccaaccaa gatctaagaa accaganta tggagganac 120
gttgactgg actgctgggt atgcacaang gggcaggagg ggcgatcccc atggggcatg 180
gccactggcc atgggaaaca caggaggagg gccaggcanc tggctgggcg gttatnttaa 240

ccgctgcacg atgacagcat tgancagggt ggcttcttc aggtcttggc tctcatcanc 300
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gcatccacca taaaaaatcc gatgtcncgt atcctgcang aattggggaa accgtnaaca 420
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tcctgacttt ctcccnaaa caccaaaact cccccngcc tttggacaat tccctccctn 540
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<210> 9548

<211> 366

<212> DNA

<213> Homo sapiens

<400> 9548

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tcctagttaa acgggagana aagaangtgt cagaagtgga gcaaaagtca nataccaggg 180
tccccactta atttttagcc cttggtcacc acagcccaaa aggttggtgg ggagttgctt 240

特平 1 1 - 2 4 8 0 3 6

<400> 9549

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aacctctatc tcctgggttc aagtgattct gcctcagcct cctgagtagc tgggactaca 120

gatgtgtgcc accacaccca gctaattttt atatttttag taaanacagg gttttacat 180

attggccagg ctagtctcga actcttgacc tcaaatgac caccgcctt ggcttccaa 240

agtgttggga ttacatgcgt aagccaccac aatcagctga gttctggctc ttagtattac 300

tctagttatg tctctagata ggctatggcc tggaanattt taaaatttca aattggactt 360

attaaaataa aattataaac aatatttcna agttttattg atttaaaatt acttcnttac 420

tactatttaa aaataatctt aacaacaaaa atattaatcc cggcgtcttt ttctaccctt 480

atcataaatc cctaattgggt aanccataat atatangtct tactgggatc nccaataaat 540

taatccttna aagtcttgaa tttccccnt ttaccaaatc cccc 584

<210> 9550

<211> 591

<212> DNA

<213> Homo sapiens

<400> 9550

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<210> 9551

<211> 596

<212> DNA

<213> Homo sapiens

<400> 9551

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agacctgtac agtttttatt acataaaaata tcacaaaatt cacaagtaca acactgctta   60
ttttcttgct tgaagatcag atctctgggt tatttaanat caacattcac cacagctgaa  120
ggaaattaaa ctgaaccttt aaaaggtacc gcatacggac ctggttgggg ttatatacaa  180
tatattcatt gtagttgang gtataacat ctggattcag aattcctgtg tcaactgctg  240
gtcctaattg cactgtactc ccattcctgc caaatggaaa aaaaatgtgt caacatcagt  300
ctctggttca gaactgcaat aaaaaacgta tcttatctgg gccaaaagaa tictctantc  360
ctcctggttc tgaattactt acagggtgac aaantgggca aaactgggaa ccatcttgcc  420
cnccccctgg gtgctatfff tccctgaaac caaccctccg gccttaggaa tgggccncta  480
ntttttcatt acnctgnacc taaaactacc cctgataaaa caaccatcct nttttctfff  540
gcaaaaaagc aaaccattaa ttngccnctt ggaaaaaatt tntcccaatt taatcn     596

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<210> 9552

<211> 520

<212> DNA

<213> Homo sapiens

<400> 9552

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aactgggaga natctgaaca tggttaaatg cagataaaag agaaagatca gttgagggan   60
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tttcagaact acaaagtca gaaaggggca tctatagctg ctaccgacca aagtaggaaa  180
ttttagagca cagtttctct aggaaatacc atcaactaac cctccacaaa tagctgagat  240
tgacagcttt accatggttt atttcacagt agaaaaataa ggtttgagcc gggcgtggtg  300
gtgtgcacct gcagctccan ctactcanga ggctgaggca ggaanattcc ttgagcccca  360

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cagtttgagg ctgcagtgag ctgtgatcat accactgcac tcctgcctgg gtgaccagtg 420
agaccttgct tcaatgtggt gactcctgct tgtntgttat tcncncnctt ttaaggggcc 480
aagaagatag atccttcctt ccggaattcc anantaaccc 520

<210> 9553

<211> 587

<212> DNA

<213> Homo sapiens

<400> 9553

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caggggacac ttactagtat aaaaataata caaatattgt attttcctct tatctgccag 180
taaaaatggc aaacagtttt gtctttctga agtttctagt caataaccaa agatgaggag 240
cccctaataa agtgccttgc cctgtatgct ccactgtcta tagctttaga cctcaacat 300
tcttcttcaa gttcagcagc tcttttctt gccttctttt ctccagttta aatgctaatt 360
tgtagctttt cttctccact cttcgttcct tgcgtcttct ttttatagct tgctttcttg 420
ctcttttata ttctttgctt tcatttttaa aaacgtggct gaattganac ttttaagaaaa 480
tcactggcca ttaacntccg ttatcctttc agttggcttg ggngnantcc tttctttggt 540
aaaaaattga aaagtttcct gtttaaaaaa aattcaaatt gtttggg 587

<210> 9554

<211> 587

<212> DNA

<213> Homo sapiens

<400> 9554

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cccacagcaa atctatttca aggacagtac tttttaaaat gattaatggt gagttctcaa 180
 ctagctctgc anaactanag gancgtgttg catctgtctg tgcggatgga gtttctttta 240
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 catatctccc accccaccct ttcaacccca cccccacccc cagaatttca ttgatatttc 480
 tcccaactgt tatttggaag aaaagttaaa caaaaaagtt ccangtcttt gtgccancca 540
 aagggggccc ttttttgga naccacang naaaggntnt tcccccc 587

<210> 9555

<211> 581

<212> DNA

<213> Homo sapiens

<400> 9555

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 tcgtgatcca cttgcctcgg ctttccaaag tgctgggatt acaggcgtga gccaccgtgc 180
 ccggccccct ttttatcttt gaanataaaa aataacttct tattttctaa ttctganaat 240
 gatttaagtt cactttctaa cctatccggg gctgttttag ttatttttga acttccagga 300
 aatctgcttt cgaacccaaa ttttattaag tgnactact cggacagcct gccaatcata 360
 tcacaggata tcccaattgg aaagctattg ggaatgttcc ttctcccn aagtanaaat 420
 caagttataa acgggcaaaa tttcctattc cnaaggcgcn atttaatat tcaattccct 480
 tccctcccc cttanaaaaa tnttaaaaag aaaaaatnt cccctgctcc aattttaacc 540
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<210> 9556

<211> 442

<212> DNA

<213> Homo sapiens

<400> 9556

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ttagctgagt aaaaagctct tttctaccct acaataagct cgacattaaa gactgacatt 180
ccaattaata taattaaccc tggacttata naactgtttt ctcataataa tgcacatcta 240
ctgntaaatg actactcnca aagttgtttt ctttttcattg ttcaanaaa attacatttc 300
tttcctttca cttttccaat aaaatactct tcagttctac tctanaatct cttaggaaat 360
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<210> 9557

<211> 606

<212> DNA

<213> Homo sapiens

<400> 9557

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agagtgc aaa atgtttctta ttaaatactt caggacaca aaagcaattt gtttttaaac 60
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gaacagaact gccagctcga ataagatgca acgttaggac tctgccttca gtttctttgc 180
ctttcccgat gacccagtt atttgtacaa actcattgtt ggactctggt acatgcacat 240
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caggtcttcc aanacatct tcaagtactc tctacttct gggcatgggg tgacttgagg 360
aatgttgaac cattctgacc accatccga tcggccatgc tgtcaaaaaa aaaccagcaa 420
aatnccttc ccatacttca caaaagcaca tatgggcttg tttctatgca aaaaacaaca 480
aataactcca tattctggca aggggatgca nccgtgttc catcccatcg gggtattctt 540
tgggaaatna ccnngggttt tttttttaat cccccctc cgaaaaaagt ggaattnaat 600
tttccg 606

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<210> 9558

<211> 556

<212> DNA

<213> Homo sapiens

<400> 9558

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agaggtgtca tgtttacttt ttatttagga gtacaaactg agacaaaatc atccttccag   60
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ggtcttgaga aaaggacagg acccgcagat agcganagat cagaggaggc cctaatttct  180
ttcctcattt ctttccaaa tateccaaat gtgcaatgca tcacctgaga cagaaggcag  240
aaagcatcaa gctctctgtt tateccaatt caatgacaac cagaacttat ttttttgan  300
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ctccaactct cantctcaan caaccncct acttcagtgt cctgaattan ctggaatata  420
ggcatgcccc ccacacttgg ctcatTTTTT aaaaatttct ttttnaaaca ngatnttgct  480
acattgcccc agncttgaat ttcttggtg cattcccanc tcccncagg ctcaaaatcc  540
ttggtcccaa acaatc
                                                    556
    
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<210> 9559

<211> 520

<212> DNA

<213> Homo sapiens

<400> 9559

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gttttcttat tcttttcttt atttgtttaa accatagaga tacaggtgac agtttaccac   60
tgaagtcttc aatccttaaa ttacattat ttgagcata ggagaatagc ttacattctt  120
agagtaaata gtattctgag gctacagcct atgtgcatat gtttatatat gtatttgttt  180
tagaanagct gactattatt ccttgattaa tttatttttg aaagttagtg ctccagctat  240
gctagtttat gtcccagggt atttgggaca ccacacctca aggatatttt tgaataattt  300
    
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tgagattctc aaccactatg agttgataag ggatctagac ttctcagaga catgaaatta 360
 gaaaatgtga ttttaaaatg atacttaatg aaaacataca gttcagaaac actgaaataa 420
 tactatttta nttttaaacc ccaaactatg cattcatgaa aactttgggt tttacnttca 480
 atgcccctgt nnttcanaat naaaaaactg aaggccnaaa 520

<210> 9560

<211> 588

<212> DNA

<213> Homo sapiens

<400> 9560

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 aattttaaat aatttatattg ttactaaaat ttgatataac cttaatgac tttcagcaca 180
 ttatcaaatt atttagccat cctaaaatac ttgatgaata aattaataga agttaatgtt 240
 tctagtttgc ctcacttttc tggaattatt cttattttgc agattagtct tgccaactac 300
 cgatgccaca gaatttaatt accaattgca aagccatttt catagtcata attatattct 360
 aggcaatatt ttttggtcag gttctcctcc agtctgcagt caatgtcctc tgcatcacta 420
 caaaatgatg gggaacattt ttcccagggt cgtctccaat gttcnaaaa acttcttcac 480
 agatctgtgt ctcacaacna actgctttgt nnaacatctc caaggantga anccgtgggt 540
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<210> 9561

<211> 589

<212> DNA

<213> Homo sapiens

<400> 9561

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gataagtaac tataaaatca	ttattgggag aacatggaaa	cagtcaagca taacgaactt	240
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acagaaagat aattatctcc	aaatttagga agtacaatga	cctgcctacc cacctcttca	300
agcctatgct taccacacgt	gcaaaaatac aatacaatac	aactactgca attattacta	360
tcattttctt ttgcccttag	gtgaaaaaca cctgacagct	acatgctgag ccatgctaac	420
aaaactaaac ctttcacttt	ctttaatagt aaaattacca	ttactgaatc ntgttcctaa	480
aaagtgttc cagttcttac	cncctatctt aaataaacnc	cattttgaaa catcnncttg	540
aaaancgcct aatttttttt	taaccccgat acttccattt	tccccgngg	589

<210> 9562

<211> 456

<212> DNA

<213> Homo sapiens

<400> 9562

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gttccagcaa ctctctcacc	tcagcctttc gaatagctgg	gactacagga atgtaccacc	120
atgcctgggt aatttttgta	tatctgtatt tcttgacagag	gcggagtctc accatgttgc	180
ccagactggt cttgaactcc	tgggtcaag aaattctcct	tccttacctt cccaaagtgt	240
tgggattaca ggcgtgagcc	actgtgcctc gtttattcat	tttttcaatt tgacttaagt	300
aaggaccatt tctctgacta	atatgtattt aatttttgaa	gttaaaaaat ttnggagcta	360
aaagtatgat ctgaaagacc	gaaacanatg ctcctttatc	gataaagatg gatcnaatgg	420
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<210> 9563

<211> 427

<212> DNA

<213> H. sapiens

<400> 9563

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cagccctgaa tgccctggga ntcantcact gtcactatca gcttcactgg aatcagaact	180
gcagcttcac tgccatcctc ctgggccgan tgctcgctgc cactggggga aaggactggc	240
gctgcggctg tggtccggc tccgctggcc accccattg ctgccgtgt ctgaatcatt	300
gtcactgcca ccttgggcct gtcctctgtc ctcatcatca naatcngcat cgtcctcaaa	360
atcancatca ctgccaaaan atntcctctt tgtcncgggc aaccggggc tcatectenc	420
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<210> 9564

<211> 590

<212> DNA

<213> Homo sapiens

<400> 9564

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ccacacacgt gtgttcccgt ccancctaaa ngggaaaagt gtgggggtggc ggggcgggga	180
agcaccttgt gctgtggcac tggacacggt gctcatctgc aggatggcca cgaanacaaa	240
cggcacagac gaanacaaca caagacacac aagcctggc ttccatcctc aggactaaaa	300
ctgcgctgag agcaattcac ataatctctg agaaacggct tccttacttg tgcgcagcgt	360
gagccgttac atctgggctt gcaggttcgg ctactgtca tggatgaatga ttaagctgat	420
ggcctcgaaa agcacggcat tcttcgcgtt ggagtgtgg accttcttcn acttgggcgg	480
ttcttgggct ttgttcagga tggctcctaa gcactcatca ggcggtccc ctgcaaggtc	540
tgggttggt tacactccc atccccatt tgn2222222 cncgggacgg	590

<211> 595

<212> DNA

<213> Homo sapiens

<400> 9565

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agaaaagcta atttaaaata tttagaaata gctagcctat gtacagcaag ttttcatgtc   60
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aaatagaagt ttaggtcaag tgtaagctt tatcactttg acactgtcct tatctcacia  180
tgagaggaatt tagaaaggac cttaacagtt tcacaaacat aaataaagcc ttagtcacac  240
taaattaaaa aaaaaaaaaat tccttaggga tatcttanat tagtaaagtg acttcctcat  300
ataaatagtt tgaaagggtta ctttaagtttt tcacccaaat tgtgatatac aaaaagggtta  360
ttaccaagca acctacatgt caagaaagcc ccanttaggg aaggagccac agcatttata  420
ttgtttataa tttcttttgt acccccactg tttaaancac aggttgaaca ccatgttcat  480
ctaancctta ttanttaaaa aatntntntt ggcaaggcaa ataactattt taaaaaacat  540
taanttcccc atttggttaa atnccgtttt aaaatacctg ctataccact ataaa      595

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<210> 9566

<211> 542

<212> DNA

<213> Homo sapiens

<400> 9566

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aagagacagt gtcttgctct gcctcctagg caggagtgcg gtctcacgat aacagttcac   60
tgcagcctcc atctcctggg ctcaagcaat ccaccacact cggcctccca cgtagctggg  120
gctacaggca cgcataacca tgcttggtc ttgtcagtat gaatccctgc tgtgtcccca  180
gcatctanag canagcctgg cacatggcag gcccatcttt gtggagtga cttgggaacag  240
gancgctggg atgggtggagt gttctaagt agacagccac agtgcccgtc ctgtttgctc  300
ctctcgcccc aactgccact ttcantgtca ggactgggga aaaacatagg caaaaaggcc  360
tgaaatccaa gggaccccan gctgcccact gccaccgcc cacctcanc tggcccacac  420

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tcananggtc tcccacctcg gcctggccan cgcacaaaag cctcccacct cggcctggcc 480
 aancccccaa agctccccct cggcctggcc cnnccccaa aaggcccccn cctccgcntg 540
 cc 542

<210> 9567

<211> 382

<212> DNA

<213> Homo sapiens

<400> 9567

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 aacctgcaca tctatcgttt cttcaggggc tgganctggt tccaccatgc ctanccnaaa 360
 tcanganggg gtcctggggc cn 382

<210> 9568

<211> 553

<212> DNA

<213> Homo sapiens

<400> 9568

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 tactacatac ctgagcactg aacattgaat tccattttta actgctttac atagggaatc 180
 tgattccttc atgatcacat ccatttggtc tcatgaccaa taaaatcagc ttgatgctta 240
 agcatcaact ttgttgaaca gaaaacaaag atggaaaata aagaatacaa tttctacttt 300

特平 1 1 - 2 4 8 0 3 6

cctataacat anttataccc antccagttt tcaatgtgtg acaaataat aggaaaagtg 360
 ctncatacat tcttcaaag caaaaacaaa nttaaagtgg aactggcatt attttnaanc 420
 tacattttaa ttccgtttta ccnttgtgcc ttttacttaa ngggtctgcc ccnctatgaa 480

aatgccctt aaatntctaa attataaccc ccccttttcc tantcctact tttcnangga 540
 cccctcngaa acc 553

<210> 9569

<211> 353

<212> DNA

<213> Homo sapiens

<400> 9569

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 tacatgtatt tggcaagatt ttagagtatt ttcttttaac ggactgggtt caatctttat 180
 tctggaagct tcaccgtatt tttcctgatt ttctataaac cttatttcac ctgtaengag 240
 aggctctcca aagccagtaa cttctcctgg actccttggg ntctctaaat tttctntaca 300
 acaatcagtt tttttaattt cacaaggncg gcganttcta nttcatnnt tgg 353

特平 1 1 - 2 4 8 0 3 6

tacatatgta tatatacaca catatactta attttaaagt taatcaaatg gttatcaaaa 300
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aaatccttct ctccaagtta gccggttttc cccactgtt ttcctcctgc cttttcccgg 480
 tgggtgtcca aataaacctc ctgtgcct naaaggccnc cncctntna aatggccncc 540
 ccccttatga aaaaatcnac ccccaa 566

<210> 9571

<211> 604

<212> DNA

<213> Homo sapiens

<400> 9571

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 tgattttcat ttttaaaggg atgcaaacat tccattttct catttataat ctattccaag 180
 gcaaagtatt ttaataatgt atcctttctg cagttagatc acaattcaca agtataactg 240
 aaacagacaa aaccttgtca gcaaaggtta aaagtccttt tttctttaaa aaaaaaaaaa 300
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特平 1 1 - 2 4 8 0 3 6

<400> 9572

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acatggggn ctttaataag cctgttatcg taaaaagana tgctttctaa gttttccagt 120

ccaaccaagg cgttatctgg tattttctgtg aggtttatac cagctataac caggctgcga 180

agattgataa gaggcctaaa gticagtct ttgattctga taattggatt ttccccaatc 240

atcagaatct ctagatttgg aagagcatca aaccacttac tgttgatcat ctgcaatcta 300

tttgaattga gatgaagtcg aagaanatta tgtnggccaa taaaggctcc aggtgaaatt 360

gtagaaagca agttgtgatt aatataaaat tcttgtaagt tgctcattcg gacanaentt 420

ttccaggcag ttcantaagt ttggtttccn ctaggtncnc aaaaagggaac cgaagctcct 480

ttttacntta atatt 495

<210> 9573

<211> 529

<212> DNA

<213> Homo sapiens

<400> 9573

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特平 1 1 - 2 4 8 0 3 6

<211> 495

<212> DNA

<213> Homo sapiens

<400> 9574

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cagaaaagta ggcaggcaga aagaattata cataaaagtt tccaaaagga aaaacaaaga 180
aatatttaaat ctgatctctt ttctttttaa aaattaattc agtanacttc tattttttcc 240
tgtgtaacat gggaattcct ggctctaaaa tggatgaatt ttcagtgtca gtgtaaaaac 300
atcttggttac ttctttttaa ataaaaactg cagcgtggaa attaatggtg tattacgcat 360
ttaaactccn aataggccgg gaactggaac caagtgttaa gcaatttgct taattattga 420
cttnccgtaa naaaantcta ggggaagggg gaaanaaatt nctttaacct cncncaaaa 480
atttctccgt tcatt 495

<210> 9575

<211> 370

<212> DNA

<213> Homo sapiens

<210> 9576

<211> 604

<212> DNA

<213> Homo sapiens

<400> 9576

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ttagattctg agtgctgtca ccctgtgatt acaattatac agactcttcc aagcttatag  180
ctagagctcc tggaagetat tttataacctg atgcaaggac aaaaaaacca caactcagga  240
aggaattaag tcctgaatta ttggcttcat cacatccacc ctctccaccc caaaacagca  300
caaaagaaac agtgaccaca ccctgtagat ctttttgtgt aaaagaggta atgaagacct  360
gggatgggaa caagtcatga agatctgtct ttaaaaggta cctttcaggt aaatttgtac  420
acaccatcaa gcaacaagcc tctcatcagt tanggttagg aaaccaaggt tcaattctca  480
ggaaatcaca atttcttctn tttactccat ataatttaca aggtgcctat atttaccnc  540
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ccca                                                                    604

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<210> 9577

<211> 539

<212> DNA

<213> Homo sapiens

<400> 9577

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caataggaga gggttcacaca gctaacaaag catanantgt gtgacctcaa taaggnattc  180
aacaanaca cagccgttat ttccctctga ctgcgttccc ttaggatgct ctgatgttgg  240

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tcactctcat aatatcaaaa gccagtctca gattcttcat tgcttgggga aacatgcctt	360
gatgtnctgc agtttgccaa ctttcatcac ttgaaacccc tctgacggga tggcttcctg	420
ggaaaaaaat cctgtttggc tccatggtcc gagtaccata aaanaaggct cctccacang	480
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<210> 9578

<211> 520

<212> DNA

<213> Homo sapiens

<400> 9578

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ataattttta acaacaattc gtctcatcat aacttaatgc aatgtgcaaa tgcagcacc	180
attacaatca ttaaactaaa ttaaggaag tacattgtta atagtgacc ncgaggaaa	240
tggatttcac ttctattaaa aactctatgg tatataagca ttacataata atgctactta	300
accacctttt gtctcaanaa ttatcaccaa agttttctgg aaataagtcc cataagaatt	360
aaatatttaa aaggtgaaat gttccttatt ttaacttttag caanatctt tctttttcat	420
taanaaacac ttaataaatt ttaaagcaaa agctgttana atctaaatag ctaaaactgt	480
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<210> 9579

<211> 437

<212> DNA

<213> Homo sapiens

<400> 9579

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gtggaaaagc agcatatctc ccagganana anggaaacgg agcagggccca atcatcaggt	120

特平 1 1 - 2 4 8 0 3 6

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tagaaaaata tacattgctt gccataaacc ttctctggat aaaatcanac aaatctagga 360
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<210> 9580

<211> 562

<212> DNA

<213> Homo sapiens

<400> 9580

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 tcttgaatga anaaattggg gcttgaagc agtctgtcta aatccaaagc tctatgacct 180
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<400> 9581

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<210> 9582

<211> 577

<212> DNA

<213> Homo sapiens

<400> 9582

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 tcattaaact cactgcaggt gttggaacca ccatatattg ttagaacttc cataagaatc 180

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特平 1 1 - 2 4 8 0 3 6

<211> 568

<212> DNA

<213> Homo sapiens

<400> 9583

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tctccataca tcccaatgtc agggtccttg tagctcggan cccttatcca ggtanatgaa 180
ctgctgcccc gtgaacacta tgncaaagc aatttganca ccattctctt ttctggcagt 240
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ttgtccgttt tccggtattg aattagggaa aattttcagg tntcccgttn ttcccgaag 480
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cttnggggaa caaaacccaa aggaattt 568

<210> 9584

<211> 530

<212> DNA

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<210> 9585

<211> 591

<212> DNA

<213> Homo sapiens

<400> 9585

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 aaaatgacac gtgccaacat cttcattcag ccagacctgg taaattctat caaaactaga 240
 cagttaaata agaaccacgt tataaaaata ttagccaaaa aaagactatt agataattct 300
 gcaaactcaa atatgaaact gtactaaaca aaatatgtgc aaaggtagac aagcataaan 360
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<210> 9586

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<212> DNA

<213> Homo sapiens

<400> 9586

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特平 11-248036

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ttggataaca acagtttate aactatgtct tttgcagata ttttcttgca tccttggctt 360

gtcttctcat tctgttaaca gggctcttca cagaacagaa cttttaaaat tttaatgaaa 420

tcccagctta tcaattatit atttcatggg ttgtgccttt ggtgtttcat gtaaaaaant 480

ctccaccata actaataccc aatacccaat gtccacanat ttccccttgt tgtctcccag 540

gattctatna tttgccttta cnttgggcca taaccctttg aattnatt 588

<210> 9587

<211> 588

<212> DNA

<213> Homo sapiens

<400> 9587

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tacaggcaac tgctactgcg cccagctaatt ttttgtatit ttagtaaana tggggtttca 180

ccatcttggc caagctggtc ttgaactcct gacctcaggt gatccactgg cctcggcctc 240

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<400> 9588

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<210> 9589

<211> 561

<212> DNA

<213> Homo sapiens

<400> 9589

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agtgttacac gattttcgta catataatca catccaaaac aagtctaaa atttaaattg	120
taaacattct catatgtana aatattttaa ttggtgtatt aagttttgct aactgatcaa	180

<211> 489

<212> DNA

<213> Homo sapiens

<400> 9590

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 tgcatgccta gcagggaggt aagcaccac tggcgtcgtg atttcnanta tcttgctaata 480
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<210> 9591

<211> 431

<212> DNA

<213> Homo sapiens

<400> 9591

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 cataatttgg gggggcactt canggactcc aattacaaag ttcaaaataa atcactgcac 180
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<210> 9592

<211> 534

<212> DNA

<213> Homo sapiens

<400> 9592

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cggcttaaac attttttggt gttgctctcc ggctttccct aaatataaga taaaatgtaa 180
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gggaccttct tcttangacc cactccanac tgtantanga ctgcaggtct gtctccttgt 480
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<210> 9593

<211> 493

<212> DNA

<213> Homo sapiens

<400> 9593

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acacacgtaa agatatttaa gtentaaaac acacacacac acacacacac acacacacac 180
aactcaaac tttaatgacc ttcaggaacc ataatccaat aatatattta ataggttaaga 240
tctcattcat caatatacaa aaaaaaaaaa acaaaccaga aaacaaaaaa ctaactttga 300

gaggtagcat attttgtaaa gtccagggt gctctgcagt ttctcctgga tacaaangta 420
gaaggcatca cccttgcccc ggaaaaagaa aattnaantt tctgttctcc ntggccttn 480
ttncctgaaa acc 493

<210> 9594

<211> 518

<212> DNA

<213> Homo sapiens

<400> 9594

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atggtacggg tgggaatata ctaccttttc nctaccctt ttaaanaatt ccngtgnaat 480
gaantcccc aaatctcct gttttttcta aaaanaaa 518

<210> 9595

<211> 496

<212> DNA

<213> Homo sapiens

<400> 9595

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tattactcag tgggattttt gcaataaggt acttcatgaa acaaaatgga aaaaggaaaa 180

特平 1 1 - 2 4 8 0 3 6

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acaaaatctg atttcncnaa ctttgcaaag gcacattttg gctgggcaca atggctcaag 360

gctgtnttcc caacactttg ggaagcaaaa gcgggcggat catnaaggtc cggaaatcaa 420
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tggtgcngga acctnt 496

<210> 9596

<211> 547

<212> DNA

<213> Homo sapiens

<400> 9596

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<400> 9597

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<211> 518

<212> DNA

<213> Homo sapiens

<400> 9598

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ggccataact gccaccatgt natatcctag caaccctgaa tcccttcta atttancaac	420
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<211> 567

<212> DNA

<213> Homo sapiens

<400> 9599

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<210> 9600

<211> 476

<212> DNA

<213> Homo sapiens

<400> 9600

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<211> 584

<212> DNA

<213> Homo sapiens

<400> 9601

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<210> 9602

<211> 482

<212> DNA

<213> Homo sapiens

<400> 9602

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 aaaatnaaat gccctactta aaaatactta cttaattata ccttaaaaat taaacactta 480
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<210> 9603

<211> 594

<212> DNA

<213> Homo sapiens

<400> 9603

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 gaaatgcacn aaatctccat gacttggan aactcaggaa aaaaaacttt gaattattgt 540
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<210> 9604

<211> 409

<212> DNA

<213> Homo sapiens

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<210> 9605

<211> 593

<212> DNA

<213> Homo sapiens

<400> 9605

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 atcttttaca gtccancaat gactttattt ttintccaaa aattttacat tttcncccaa 540
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<210> 9606

<211> 422

<212> DNA

<213> Homo sapiens

特平11-248036

<400> 9606

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<211> 555

<212> DNA

<213> Homo sapiens

<400> 9607

aaaaatacag tggctttatt tccattgttt atagtcccca gtatcccatc tgataagaac	60
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<211> 526

<212> DNA

<213> Homo sapiens

<400> 9608

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gtttngatat gtatttttta tttccctgca gttttcactt atcaagaaca agtaacaggg 60
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tacaagaacc gtataaaaaa agtcactaaa acactacact atgaaggtgt ccaacgctta 180
cagtcagact ttttccaacc cgttacttgc cttgtagcca caggaaaact ctccaaaatt 240
gaaaagacaa tcttgccaca accctcccc cgcccaacac ctgggatggc tcgatatcta 300
gacttccaat aattattgca atgatataat gcaatacata cctggtaaag tatcttttat 360
gtgatgtgtt acagttttta agccagttaa aatatgcagc cttcagataa aatgtnatcc 420
tcgaaaaatt ttcatatattg cacagtttaa atgtinctana tgcataattt ttcnattcc 480
aatttttccg tgttattaat tanaaattgg ntccctnaat anaaat 526

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<210> 9609

<211> 576

<212> DNA

<213> Homo sapiens

<400> 9609

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gaaaacactt attttactgt cttcaacaac aacaacaaac agataggcag gggaagtcca 60
gaggactcag aattgaagca gctctataca ataatgaagg tggtaaatg atgtgactgc 120
aaagaaaatg actaaaacaa aactttacaa acatcttcat gtttgtaatg tattaatgca 180
caaaatatca aaaatagaaa gtctgagttt cttccccgca ggtttatgat aaactatcaa 240
ccttctattt aatgcatttc cttttttttt atttatagag atggagtctc gctatgttgc 300
ccaggctggt cttgaactca tgagctcaag caatcctccc acctcggcct cccaaagtgc 360
tgagattacc ggtgtgagcc agtgcactta gatttcata atttaatttt ataagcatta 420

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特平 1 1 - 2 4 8 0 3 6

antttncgtc tcaaactaat gactgccttt ttaccatac ttatacentn ttataccttc 540
ccantggtac atttaaaca nataatnttt taaatc 576

<210> 9610

<211> 382

<212> DNA

<213> Homo sapiens

<400> 9610

ganaagaagt tcccctttat tcaaactcct tccangtgac ccgggtgggn cataagccca 60
ttcactttcc ctgcaaacc ccacttctg tgggtanggg aaccttcgcc ttggcccacc 120
canaaccggg ggcagtctgt tgangtctct atatattcag cagggacccc atcccttcct 180
gtccccagge ctgtgtctcc tcaggactca naactggttc tctggtcag gctccatgtc 240
cttccccatc cccanggtg ggggcttcag ggacgtcca tcaaccaca ggagcagctc 300
ccagaggaac ctaagaance acatctgctt tgtggtcgat ccancantaa atgtttgtgt 360
cnnantgtan caattcctaa ga 382

<210> 9611

<211> 527

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 aaacccccgt tcctttccat tattccntan cccctaataa taccnagggtg gcaggacaat 480
 taccctgaaa ccaaataatan ttnttggttn antaaaacca aacaaaaa 527

<210> 9612

<211> 604

<212> DNA

<213> Homo sapiens

<400> 9612

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 tttacttgct aactccaaaa ttttaagtaa accaaatgca atgattctgc tgttactttt 120
 acattgcata caagtacatg cgtgcacaca tgcagacaca cacacagaca cacatgttta 180
 agcaacaaat tcaaagaagg gtgtcnacac aattaaaatc cataatgtta aacaataact 240
 gtgcttggtta gttatacaag gtaatttgca tttgatataa acttaactta cattagtact 300
 ttttagaaac taaaattatt ccaaacgtat taaatgctta gaaaattcat ttctttccta 360
 aacagattag aaccataatt caatatgtta acctttatat agaattatat gtaactcaaa 420
 ttatattcaa ttaattcnaa tatataattt aaatacngaa aaaagaaaac tacctgatgt 480
 gttntnanga tgtttatttc cctccaaaaa agaaactccg ccagacaatg atttttatcc 540
 cccatttccc gnccccctat cccttnaaaa aaatttntnt ttggaaaca aacctncaan 600
 ttcn 604

<210> 9613

<211> 597

<212> DNA

<213> H. sapiens

特平 1 1 - 2 4 8 0 3.6

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tttatgancc tttaaaatt gctgccagac tcnagattta aaaaaagaag gaaaatccca 180
tatctgaana taaatttgct aattctggat aaacgccatg tgtctcagta catttctggc 240

acttacctac acatctgcaa gatgggaaat catattgagt cttgacaggt gtatccaata 300
aattttttat aggagtatct agtaatttg aaggtgactc tataaaatta ttgagaacag 360
aagcagctgt tcttttggtt ggtgtcttt ctgaagaant tgtttgctgc tctaaagctg 420
gggtgtggct atcaagttct gcagcaatgg ttgtctant caaaactgtg actggcccga 480
cattccactt ttacttgctc cgtgattga aaaataaaaa cctatggta atacnacttg 540
gcttaactgc tccaanccgc cccnggcc caanaaaccc ttgccgcat acccacn 597

<210> 9614

<211> 561

<212> DNA

<213> Homo sapiens

<400> 9614

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aacctccaac tccctggttc aagggtattct cctccctccg cctcccaagt agctgggatt 120
acaggcatgc gccaccatgc ccggctaact ttgtatttt tagtaaaaat ggggtttcac 180

<212> DNA

<213> Homo sapiens

<400> 9615

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aatcatttta cattagtaag aggccatcta cattgtacaa cataaactga gtaatatattt 120
gaaaagacaa gtttaaagta aacacatatt gccaatcata tcacatttat acatggcttg 180
attgatattt agcacagcat aaactgagtg agttaccaga aataaataat atatgttaat 240
ccaatttaag ataccaaaca gatcatatgg tacataacat cctgtnagan ttgtggcttt 300
atgtttacng aaagtcnatg cagttccngt ncaaanaaaa gggcggtagc 350

<210> 9616

<211> 551

<212> DNA

<213> Homo sapiens

<400> 9616

ggaagtaaag gtctttcagt ttattgctta agaaacaaca gattaaagaa aacttttagt 60
tttagtctct gatgttacag attcagatga ttccctatagg ttatttaaag aattcatttt 120

<211> 600

<212> DNA

<213> Homo sapiens

<400> 9617

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 aaaaggaaat gtncaaaatg atgaagatac catagtttat ttcaacatac taagccaaaa 120
 aaataagaaa acaactaatt tatttgaaaa aaaacaaat tctgtacatg caggcttggc 180
 ttgattgacc ataatgtatt tcagcaaaaa aaatttagat acaccacaca taataaagct 240
 ttctatgtac acagtaaata gtaaataact ttgctaaatg gccagacatt tgaaaaaatg 300
 aaaacacagt tgtaaaacaa agtatgtaag aatattgtga ccttatttaa ctgtacaaaa 360
 agcaatcatt ctctccagcc ttccatcttc acttacattt ttttaacaa gattaanccc 420
 cnaattgaag ggattaaatc ctttctcct aatgccncgg gaatatnaaa ttcncttca 480
 antctttaac tttttacaaa ggaaccaaac ncttaaaggg aaatngtggg aaacaaaaaa 540
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<210> 9618

<211> 374

<212> DNA

<213> Homo sapiens

<400> 9618

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 gcagcctcaa actcacaggc tctccttctt cagcctcctg agtaggtggg actacatgcg 120
 tgcaccacca caccagcta attttggtat tttttggtgg agatgggatc cagctaaatt 180
 gcacaggctg gtcttgaact ccaggcctca agcgcttctc ctgccttggc ctcccaaagt 240
 gctgggatga caggtgtgag ccaccgcacc cagccagagg gctccttcta aaatggttgt 300

<210> 9619

<211> 544

<212> DNA

<213> Homo sapiens

<400> 9619

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aggTatttct ctgaatgcta tccctccctt tgccccacc cagcaacagg ccctgggtgtg 180
tgatcttccc ctccctgtgt ccatgtgttc tcattgttca actcccactt ataagtgaga 240
acatgcagcg ttTggTTTTc tgttcctgtg ttagTTTgt ganantgatg gtttccaact 300
tcatccatgt ccctgcaaag gacaanaact catcctTTTT tatggctgca taatattcca 360
tggtgtatat gtgccacatt ttctttatcc agtttatcat tgataaactg gttggnTTcc 420
aattcttgtt attgcaaata atgccgttat aaacatactt tncctgtttt cttaaataa 480
aaataattaa aacccttngg gttataccca ttannggaan ggCgggntcn aaagggaatc 540
ccgg 544

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<210> 9620

cattcttcan acttgcactc ctggctctgg tgctgcatcc tggaaaggac gcgctcgtan 360
 aacancangt ntgcgctgga ggacangacc tcctgcaggc tggccttgcg gacagtgtct 420
 cgganaccnc a 431

<210> 9621

<211> 498

<212> DNA

<213> Homo sapiens

<400> 9621

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 tgaagtacta ggcaaagttt ccaaaatgct tctacttaat ttaacctgat tctccccgcc 180
 acaccagcaa aatgcttttt atgttggtac agtaagtttg caaggtaatg atgaatacct 240
 gaattgcaga aattaggcct aaactctgat gacccttaat gtaaaccaca ttttaacgtg 300
 ttgagggtca ttatttgtat ggcacaggta tatcnggaaa naagatggat atactacccc 360
 tgggaagcca ttcagtctct cccttacaaa tgcctcctat cacatgacag gcattttcaa 420
 anccctgttt tnccttgte tcaaatnate atggtttata tttnccttt tgtgggcanc 480
 ccnaatgttn tttttacc 498

<210> 9622

<211> 549

<212> DNA

<213> Homo sapiens

<400> 9622

gcatattcaa ctgaagaaat ttatttactt ttttctaggt acatagatga cataattata 60
 gacaagtttt gatacatagg aaaacccttc cgtccacctc tctttatgct aaatgaatca 120

特平 11-248036

aagaacatat tggctactggt atattacagc tacttacaat gtttttaaga acagcaatgg 240
 agaaaaataa gttattttaa tattgatttc atatacagaa agtgcaatgt tgtagttgt 300
 tatataactt gctcgacagt ttcttttctc tatcaatttt aaatcaagat aacttgact 360

ccaactatta ttttttttgc tgaaaataat acagtacaca catggcanca ntgacttggc 420
 aanttgacct tttttgctgc agttatgaaa gccaaacttn ctatttcngg aactgattnc 480
 cantaaatta ttatttccca ttccccct ncctgggggg ttcangaaaa aaaaagggc 540
 cncatgaata 549

<210> 9623

<211> 598

<212> DNA

<213> Homo sapiens

<400> 9623

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 ggtganacac aagttatgaa gtaatganta cttctctctc gtggttttta ctttaaaagc 180
 acatgctaan anctggatgc agtggctcac gcctgtactc tcagcacttt gggaggccaa 240
 ggccgggcana tcaattgagg tcaggagttc cagaccagcc tggccaacat agtgaaaccc 300

<400> 9624

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acaggtgtgc accagcatgc ctggctaatt tttgtatitt tagtagagat ggagtttcac	180
catgttggcc aggctgttct caaactcctg atctcagggtg atctgcccgt ctcagcctcc	240
caaagtgctg ggattacagg cgtaagccac tgcgcctggc ccaatgtgtg gttgttatta	300
gctatgccct ttaccgaact ccttttcttg acctcctata cctacacctg ttgtaaagaa	360
acaaatacaa aacaggattt cagcaaaaca ctaaaagaag agcgttctag ttttttaaaa	420
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<210> 9625

<211> 500

<212> DNA

<213> Homo sapiens

<400> 9625

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ctaaaagtcc acattttcaa caaagctgta tgtntaan tganagtttc attccacttg	120
ttcttttcgt aactgggtgta agccaccagg ttctccgtgt actgcaagat cgactttaca	180
aacttttaggt actgctgata ctcatgcgca ttcttccac aaacagcatg aatgttgacc	240
aactccagcg caatgagtaa cagtatcagg ctgagcacag gggacagtag tctgatacta	300
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ctgtgtctca gctctgangc aacgggtgacc tgggctggac acacggcggc actgttcgct	420
gatgcttcgg ancacaacca gcacttccag cacaatcctg ggggnaaaaa nanggtgnga	480
aaaagtnttc tgcaaaacnc	500

<210> 9626

<211> 584

特平 1 1 - 2 4 8 0 3 6

<212> DNA

<213> Homo sapiens

<400> 9626

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tgatattact attaaatagc tatgagctag gctttccgta aagtatcccc tggatggcaa 180
accagtaaga anagcttata aacttcactt cttctgggtt acaatctctt atctttctgg 240
aacggtaaag cacaatgggt gaaattagac cccttaaaaa aaaatccaat gctgtatatt 300
tgctttatca taacatgtat ccctacatgg cacttctcaa naatggcatg gcagggangg 360
atgtnatate ttaagcatgt tttctcatta tgcacttgta cactgtgcat tggtttatac 420
ttaatttggt acattttccc taaaataatt attctctgct ccttcctcac aacaatccca 480
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aaggataacc aggaagaaca atnttttgaa tggggatccc tttt 584

<210> 9627

<211> 573

<212> DNA

<213> Homo sapiens

特平 1 1 - 2 4 8 0 3 6

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attntntta tccacnntt tttttccact agg 573

<210> 9628

<211> 351

<212> DNA

<213> Homo sapiens

<400> 9628

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acaaccaag ggtggttgaa tcaaactcag ggaattagag gagcatcagc caatgcaagc 120

aggtctatat aaaatacaca tcatttataa atgcacacag cagaaagcac agtggcccca 180

gaggaccagg cagggggaca acagagagaa acagagcact atctggaggg acaggcacac 240

ccgcaacact caaagccctg ggccccaant gcacctcaa antcacctac gctgcancat 300

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<210> 9629

<211> 581

<212> DNA

特平 1 1 - 2 4 8 0 3 6

gcacattttc tcaatgatga aaaatttttg ttctctgaaa aaggacttta ctggcgaaaa 480
tccaaancct tatgaacnaa aatgggttaa naantttaaa ttggcaaaat aacttgaaat 540
aaacaaaatt tnggcnaaaa naaaaaaatg gcctttttaa a 581

<210> 9630

<211> 608

<212> DNA

<213> Homo sapiens

<400> 9630

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gatcaacctg cattttatcc atattatctt tgttttcatt tttaaatgaa gtttctgtct 180
ccattggagc atcactgtga tcgccttcca aattttgctt ctcaattact gatgcgctag 240
ccacactgaa gattccatgg atgttaacac gaactttaac cttcactttg gaactatcac 300
catcagactg tggaaaaaca ttctgaatag tgaagctccc aattcttgca tcaggataag 360
gcatttcatt tnaatttaga taaaatgctt ctagttcaaa tggttccntc ttgttgaaag 420
taatgacttt tganaatggg gcaggatggt tcttacanaa aacttcacat tcccacttcc 480
atcctcaaaa naagtctccc cttaatgtga ttgaataagg aacaangtct gttatggaaa 540

特平 1 1 - 2 4 8 0 3 6

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gcctcccaa gtgctgggat tacaggtgtg agccaccatg ccagccaat ttctttcttt 300
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 gcctgcttta tattgtatat taaaataagt gatagtagca ttcattatt actgtatccc 420
 tgcagttat gatttctgta ttcattatgt acttttttac tgaaagattt taaaagttgg 480
 cacaattata aactgcacta gtgctttaat ataaaagaga gatgggtctg ccaccagtta 540
 agttcnnnnn nn 552

<210> 9632

<211> 590

<212> DNA

<213> Homo sapiens

<400> 9632

ganaaggnc cactctgtca ccaaactgga attgcagtgg gcgtgatctc cactcactgt 60
 aacctctgcc tcaattcaag cgaatcccct gcctcagcct gaataactgg gaataacaatg 120
 gggcgccngg ctaaattttg tnttttttagt aaaaaaaggg tctcaccgtg ttggncaagc 180

特平 1 1 - 2 4 8 0 3 6

<212> DNA

<213> Homo sapiens

<400> 9633

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ggctcaaaaa ggaattacag taactttaaa aaatatatta aacatatcca agatcctaaa 120
tatattattc tccccaaaag ctagctgctt ccaaacttga ttgatattt tgcattgttt 180
ccctacgttg ctgtgtaaata atatttgctt ctcctttctg caatcgacgt ctgacagctg 240
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tcatagctcc cacattttct tcatctctga aaggcctgaa ttctctattt aatgacaaca 420
aggcaattag atgagggcat catcttcata ctcgtcagaa gccacagggg antcctcctg 480
aactctctga acatctgcct gttgtaattt nnnnnn 516

<210> 9634

<211> 572

<212> DNA

<213> Homo sapiens

aaacanaant ttttncnnc ccaatgctcc at

572

<210> 9635

<211> 465

<212> DNA

<213> Homo sapiens

<400> 9635

gaatacgcaa gtatttatta cgcccttgaa ccaatggctt tgacatgttg taaacaggaa 60
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 ttgaaaaccc aggccagaca tgcttgatcc cttgcacagg gangccctct ggtccctctg 180
 ggatgaanca ttcattggaan gcccatcttt ctgggttttc cantctgggt agtgggcagt 240
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 atgccagggg acttccattc caggagacc ccttcagggt aaggagaact gancatttgc 360
 ttgcatctcg ctgtcanctg gaatgancgc actgggaagt ncaaaaaacc catngctggg 420
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<210> 9636

<211> 594

<212> DNA

<213> Homo sapiens

<400> 9636

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 aaataagctc agaaanaccc agtgccactg tgtggccaaa gacttacgga cagaaaangg 120
 antgaggcac aaaaagcana agtgangcct gcaaacagca ggggtggctac agctcgtgtc 180
 tggtttattg aaacagantt tgaagtgtg ctgcctgtga ctgattcaag antaagttac 240
 agtgtccaca catccaatta gatgactgtt cactacgtat ggagaaacct ataggctaaa 300
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gaaccaggag ttcatgggaa ttcttcatca tccagtggtc tgtaaagtgt cccatgctga 420
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 ctttaagtgt gcccctccta attattnttc ctaccgggtg aaccagggtt cttgggaatc 540
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<210> 9637

<211> 588

<212> DNA

<213> Homo sapiens

<400> 9637

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 agttatttct tgtcttctgg tagcttttga atttgtttgc tcttgcttct ctagtctttt 180
 taattgtgat gttagggtgt tgactttana tctttcctgc tttctcctgt gggcatttag 240
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 gtctttgttc tcattgggtt caaaaaactt atttatttct gccttaattt cgttatttac 360
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 atttncctaa tcttgaattc taatttgatt gcactgtggt ctgaaaaant gttgtaattt 480
 ccgttctttg cattccggtg tgtattgttt acttccaatt aatttggtca atttnaaaan 540
 aatttcaann tgtgccgcca aaaaanttn tncggttaaa ttaaaatg 588

<210> 9638

<211> 547

<212> DNA

<213> Homo sapiens

<400> 9638

aacaatacat gtgattttta tttagtgaac acagtatctg caagaagctc tgacagccat 60

特平 1 1 - 2 4 8 0 3 6

ccaccctcca atcttacttc actttacaac caagtatcaa tagaggctgt tccttcatgc 120
gagctgtggg agtatataca tcattgaata acagacactc cagaaatcaa cagatgtaca 180
ttatttacat attactatat ttaccgcaaa tagaaatatt ttctaagaaa aaaagtcaat 240

ttgtggtttc tgggtctacca cagacctaac ttctcagcaa agcatatcta tgtagatata 300
tgcgtttgta actttaaaaa tangcattgc ttctatgaa gcactaantg ctgctccatc 360
tataaatanc tcctattttc agtttggtac cacattaaac tgccccaaaa tgttctgtga 420
ccccaanac acaaagttgc tgcttatctg ggtccagggt cagtacaatt aaactcaa 480
atnaaccagg gggggccanca aaanaggctg gaaaggntgt ggcatcccc ccnccccngg 540
gggnccc 547

<210> 9639

<211> 553

<212> DNA

<213> Homo sapiens

<400> 9639

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<212> DNA

<213> Homo sapiens

<400> 9640

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agaactctgg tgcagtcctcc aatcactgca gctttactgt cagtcagtgg agctgcaatc 180
cnaaagacgg aaaatcgact cctgttttcc atttctgtgt ccagtgactc ttcanttaca 240
gtgtgatgag gtctaccagg ttgcctttag gaggagtcnt gctgtcngga aagaaattta 300
ctaaggtgtc taanaactga nttctttgag cataggtgtn atccacatca gaaaanccn 360
cagctgttaa atctgaaccn 380
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<210> 9641

<211> 513

<212> DNA

<213> Homo sapiens

<400> 9641

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cagttttaac attttattgt aattttatat acaaagaatg cttaacatta acagagctta 60
gaacaacagc aacattttaca gaaaactgga ttacagatgt ttaacaacta atttgtttga 120
acccaaacat tgtttttacaa atacctgtag tttaaaaaaa caaaaaaaaaa aaaccaatcc 180
cccaaaccgc cccaactcct cccacaaaag aaacaatggt aggaatagac caaaaactca 240
aatatgggcc ttacagtaca taagaataaa aacagtaaac tataaacttc taagtgttaa 300
ctctatacta aaccactttg cattagaaaa attataaaat aggatggctt tagtccactt 360
tatnttttaa aataatcaat tttaatgctt antttcccca aaacaggagc ttaaaaanca 420
atttgttact aggacatttt gtcgggatac antctagggg aaaggacata acaaancna 480
naaacaanat agggacgcac taatggaaac ccn 513
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<211> 519

<212> DNA

<213> Homo sapiens

<400> 9642

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tagctacttt atccttatct aggacagatt ccaagcatag gcagctacag tctgaaaaga 180
attattataa gctagaattt ttctaagaaa aanatttggt ctcaggaata cgaaaataga 240
tncaaggaa tgacccagac atgacaataa gtctaacaaa gttaacacta gtaataatgt 300
gtcagataaa aggtagaact gagctaaaaa cttnaacttt aaaaatgttc agcaaatcaa 360
taccngaag ttaaagantc ttgaatgttc tagttcattc ttctctccat tttaggtact 420
ctcttaatgg catttttatg gtnagttgaa ttacctcaga anctgncgtg nccctcctgg 480
atgcccccg aaatccnaat ngggaangac ctctcccc 519

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<210> 9643

<211> 535

<212> DNA

<213> Homo sapiens

<400> 9643

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ttattataag ataggtttta tgttagatga taacaccagc atcttgctca ataaattgaa 180
gccagctttt tcaacagaga acattattag aatgaaacta gatgcaagaa caggaaagta 240
aacacctgtg tcatgttcaa caagactgaa ctacggagca aagaatcaca cagtgttgca 300
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atgtcatgca gaagaacaga ctggcacgan tacatatgtg ggtttgcct acacaaatca 420
aacctttaag tgaacaagat cntccaacc atcttcccat aaaacctant ttctatggga 480

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aaacaatcaa ttaagcctaa nccccncct ttanatttt tntcnttta taaaa 535

<210> 9644

<211> 597

<212> DNA

<213> Homo sapiens

<400> 9644

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ttgggaacac ttgtttttca taagctgtcc tgacagtggg acaatcccat ccatcttcag 120

gncttttaat aaggtcatta tgaaatctga atttctatta atactctggt gcattcattt 180

catctgcaaa agcaactggc acaaccactc ctgcccgtg cagctctcgg anaacatcta 240

atattgagtc tagttctgtg cggaacttct ccagctcacg attctttaac tgtgccagtc 300

ttttccattt ttcaacttct ttgttttget cagtttctac tacttggtgt gtttgctgta 360

ttatctgttg aanttctgt tctctttgtg catgtctcat ttccatctgc ttaattttct 420

tttctaacc acnaaatttt ccaccccggg gtttnggttt ccttgggctc cccccaatcc 480

tccaaaaaat ttggttaacc ttccggtaaa aatccccca aactccnaaa atncaaaaaa 540

acctgnntac cccgcccccc attaaantna aattgggaaa tttttaaaaa ttncnccn 597

特平 1 1 — 2 4 8 0 3 6

tcctgacctc ttaaacacca gcttgccatg agtccacacc aaaacaggga gccaatacct	300
tccagcacct aatcaggcaa gtnacttcac tcatgaaaaa caggacacct ctataccaag	360
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aaaccccccc nccccna	557

<210> 9646

<211> 459

<212> DNA

<213> Homo sapiens

<400> 9646

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tggatcaact caccacactt cactctcaaa ngaaaagcac agggggaaag aaatgagtga	180
gggggctcaa aaaaatctgt gtggctccta ccaccccaaa catattctgg ttcccga	240
ataaaaagca aggttggctc tgatctttcc cagtctctcan antccancag gccgctgtgc	300
tggacacata catggatcca ccaacataca tcantccttc tgtgttctct cctgcatggt	360
anaagctgga acctaanaac tatattcccc caaaattccc gccacccan gaattngctt	420
taaattccct aatgaaaagg cctnctaaaa aaccnnaat	459

<210> 9647

<211> 508

<212> DNA

<213> Homo sapiens

<400> 9647

gccagtcag aaacgtttta tanaaataaa aaggtctgca tanagccgan gctcggagcc	60
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特平 1 1 - 2 4 8 0 3 6

acccctctgc cgcacatcca gtacagagag gattctataa agttcacact ttttcattaa 120
 gtagtaatan aaatacgggtg aggccctgaa actggcctgg tgagcganga aaggccgctg 180
 ggcgcttcca ctctgcaggc cggggctgaa ataaccgag ttccgttctc acanaaaggt 240

 gcggctgcca cctcttgaca caaaagccgg atgggcangt ttectccatg gccaagccgt 300
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 ncggtgaaaa tgtcttcccc aaaaaattcg ttctccctaa acccgtgggg gcaaccanc 420
 cttaccgtn aacttgcca tctgcaaatt ccaactgttc ttectnaac ccttnattac 480
 ntcccttcc tcccttttgg tnccttng 508

<210> 9648

<211> 542

<212> DNA

<213> Homo sapiens

<400> 9648

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 cgtgggcccgg ggaaggccca aggctgcanc acatctacac nanggtcag caaaacttcc 180
 ancggtttcc acactcgttg caaacaacaa aggtggtcat gggctcatca aaactgcggg 240

特平 1 1 - 2 4 8 0 3 6

<213> Homo sapiens

<400> 9649

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acaaagccag catgttttgc tggaggcaga nattatggta ctaagtgtaa gccccctggg 180
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gttctatgat cctacagttc tctgactcca anaacctaen aattntatcc ggttctataa 540
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tncc 604

<210> 9650

<211> 603

<212> DNA

<213> Homo sapiens

特平 1 1 - 2 4 8 0 3 6

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aattgaaaaa aaaatcccca ncccaattg atnccatctt ggagggtcna accnttttaa 600
ccc 603

<210> 9651

<211> 605

<212> DNA

<213> Homo sapiens

④ <400> 9651

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ttgcacaggg atgatttacc actggattcc ttggaatccg ctttcgacgg tctctgaatg 180
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tgttgttgtg catggtggaa aaattttcca tactgttctt cgggcatctt tgttaaactg 540

特平 1 1 - 2 4 8 0 3 6

agantgctca cattcatctg acagcaactt ctctccctgc aaataaagga aagctgtgat 120
gactttatct ccgaagcctg cctgggtggga acgggcttgg cacaaaanga nctgcanaat 180
cctgctgctg attggcagat gcatttctga actcagcggg ggctggacac tgagcangac 240

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gatttttttt ttttttttga natggaatct cactctgttg cccangctgg anttnaattg 420
ccactctcgc tcactgcaaa atctgcccc cagttccaat taatnccct naatcccccc 480
ctnacnacta ggaatac 497

<210> 9653

<211> 538

<212> DNA

<213> Homo sapiens

<400> 9653

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aagccttgaa ttctgggcc tcaagcaatc ctcccacttt agcctcctga gtagctggga 120
ctacaaccac gcaccaccat gcctgcctaa ttccacttt tatttttgta ganatgggg 180
cttcctgtgt tgccctggct tgtctcaaac tcctaggctc aagaaatcct tccacctcan 240
actcccaaag tgctggatta taggcgtgag ccactgtacc cagccagttt cttaaattga 300

特平 1 1 - 2 4 8 0 3 6

<400> 9654

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ttaccatata tcaataaggg caccataata ttatgcaaag aacagatata tatgcctgat	240
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ggaagaatgt ggtanctaag gtccaaaatg tttgtcctcc gcgtctctc tcttgcttcc	480
ataacttggt ttggttgggg agggaaaaaa ggnccccct ctcctccaa atenttacnt	540
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<210> 9655

<211> 574

<212> DNA

<213> Homo sapiens

<400> 9655

<210> 9656

<211> 474

<212> DNA

<213> Homo sapiens

<400> 9656

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atagtcccag cttgagctca ttcaatcaac agcaacaaca taagctaata tanaccgagt 120
tcttttgtgc caggtactat tcttatgctg aacttacctc atttcattcc atcccatcaa 180
cagccttgtn aagtaagaaa aatgaaactt gctcagcaag aatgtnaaac caggctgtca 240
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ttccagcaca agtnatncaa tctgaaaanc cacttgcttg gaacaatgtt gctttccttc 360
ttcaacacna attaccccc aagaataatg acnttcnacc ccatttctnt taaaaaggaa 420
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<210> 9657

<211> 586

<212> DNA

<213> Homo sapiens

<400> 9657

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atatttagag tgtgaatata tatcattgca tanattccac cacgtggaan anctctatgc 120
ctgtgggtgt atatacccta nagatcagaa tggatggttt tccagaatta atganacttt 180
gaatgatgca gatgttgccc tttccccaaa ataaaagggtt tttaaattaa tagagcaaca 240
ggatgcaaat actgggcaaa ttataagaaa tcataaagtt gaatctcana aagcatatgt 300
tcagttttgt nactgaaggc tgttgaaaat ttctnctctc tctctttgaa naatgaaatg 360
caaatgcctt ttagcaatgg cagcattcaa atcccncaaa aaatcangca ggggcccctt 420
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特平 1 1 - 2 4 8 0 3 6

aaggaatact ccattggcca aactgtaaaa cctgctgggg ttaattnaaa ttgaacaaat 480
nctcacaatt cttccctct caaatttcg aaactggatt tggaaggtcc gatanccncc 540
ctttccggaa tgcccgggcc cnggggttta aagatttgga cncnnc 586

<210> 9658

<211> 621

<212> DNA

<213> Homo sapiens

<400> 9658

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aactgaatt tgtccatctc anaacananc ccattagta ccctggaggg tccccaagct 180
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cctgctctgc atctcangga cagatgaagt ggganccgag gaaccttaa aaaacgggcc 480
ccaagtaana atcaaantgc ttacnaaca aatctgggcc ttgttataaa actttgggtt 540
gcangatntt ttaactacca aaaaactatt gctccccccc caaggngaac ccaaccctaa 600

ctggctentcc attctgggca cagtgtgaca ttacctgaa cagaaangaa aatggcncta	120
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<210> 9660

<211> 489

<212> DNA

<213> Homo sapiens

<400> 9660

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aacataaatt tacaaaaata aggcttattt taaagtcac tggagaaact gttttacagg	180
tatcttaact ttatttagct ctctgtagaa ttaacatctt tgcaaatata ttattcaacc	240
aagcatttgc cataaagata agcatcaact ttccatttgg acaagtata gtgttcaagc	300
tacttgactt gtgaaaaaca aaaaaccacc atgacttctc aacaaataca ttttaaatg	360
aaatatgctc aggctgataa acaaacaaaa tattnaaatg ganactgaca ttgaactncn	420
tagtccttg aaaaaccna aaaacantgc cctataaat gatattttat nggctttaca	480
aaaacatac	489

<210> 9661

<211> 534

<212> DNA

<213> Homo sapiens

<400> 9661

特平 1 1 - 2 4 8 0 3 6

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 ttatatacgc acaaagtcag gattttttaca tggcagggaa atactgtgga atgatgangt 180
 ctgcaggaga cagatgctat caaatganga ctctgggggtg gtattttcta aaaatggggt 240
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 ntttgggcag ccnaagtatt tctacttcct gcttaaaaca tttcnggcga atgaaatgat 360
 tataataatt aggtaagcca ccctattaat ncccncggtc tncagtttct tatctttcta 420
 aatacctaaa aaattttatc nttentttct cccctacccc cccctgcctt tctnaaatta 480
 tnttttgaca ttttataatn tttgnaaaat aaccaaaaat tntttttaaa aaaa 534

<210> 9662

<211> 481

<212> DNA

<213> Homo sapiens

<400> 9662

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 cattatgtca tactgtagaa agatgaagca aaggattaaa ctccaaggat aaagaaagtg 120

tata aacggttaag gcaaagtacc 180

<213> Homo sapiens

<400> 9663

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ggaaatgtgc ttttattttc aaactcaggt atgtgacact ctacagttca atgctagcac   60
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tcctctccat ttactctgtc aggctgtata tggggagcaa cacatatggc tttgtggcag  180
ccagaaagtg aaggcttttt taggaggtga catcaacaat gacacaaaca catcactctg  240
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tcactaccgc ttgggcagca gctcccactg cttcaggctg gtctttgctt tccagaaaag  420
atggactcat gagcactttt tcagcccctg tatatatggc tattcttatg ctcccttttg  480
gagatntntt tnnncnnaac nccc                                     504

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<210> 9664

<211> 594

<212> DNA

<213> Homo sapiens

<400> 9664

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agtaataact tgtcaggagt ttccagaatt caattctcct tttttagatt aataaattag  180
accagatttc ttcccatgg ttactgtctg aggagattaa ctaatatgcg atacatgatg  240
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gggaaattta agaatatattt ttaagaaata acaatttcag gtaggcaatt gtgaggaaaa  480
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<210> 9665

<211> 587

<212> DNA

<213> Homo sapiens

<400> 9665

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ttttcaggag tagatgttac atggcaggta tcaaaatgtg atgatcaatt ctgtgttttc  180
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gtcaaaatta tatcactttt agagcagcaa tacgtgatcc aaggttttct tgaaggtagt  300
gcaaaanatg cagttcataa tgttctcccg attcaggaac tcttatgctg tgtctctcct  360
gaggatagat ctgtaaataca tatggctttc cagccctcac taaaaaactc agtaatatac  420
tggtatgtgc aaaatggaca ttctcatcca ggaaaacat gttaagaaac agtaaacaat  480
ttggttcana agggaacttt tctgcttgca tggccncaa tcctaattaa taaccctgtt  540
cattctggtc ngggtaaccc aaaaaaantt ccgnnttccc gtttccn                    587

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<210> 9666

<211> 492

<212> DNA

<213> Homo sapiens

<400> 9666

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gagatggagt cttgctgtgt caccacact ggagtgcagt ggctgatct ttgcttactg   60
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tacagggtgc cgccaccaca ccagccaat ttttgtatct ttagtaana cagcgttttg  180
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ccaaagtgtt gggattacan gccaccgtgt ccggccaact ttttccttct ttacacgttc  300

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tgcccacaaa aaaaantgta acatattgct gcactcanca caaaaattat gttacccttt 360
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anccactnga at 492

<210> 9667

<211> 501

<212> DNA

<213> Homo sapiens

<400> 9667

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 tcttattcat tctatctaac tatatctttg taccattaa ccatctccac tcctcttgaa 180
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 ttttaatttt agctcctaca aataaatgag aacatgcaaa gtctgtcttt ctgtcctgac 300
 atatttcatt gaacataatg acctctantt ccatccatgt ttgcaaag anangatctc 360
 attcttcttt atggctgaat agtactccat tgtgtatatg taccanattt cctttattca 420
 ttaatctatt gaaaggaaac ttaaattcct nccaaatctt anctatcgtc nntatttctg 480
 cantaaacat gggantgcaa a 501

<210> 9668

<211> 435

<212> DNA

<213> Homo sapiens

<400> 9668

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aaagacaagt naaatgttag ccaaggnaat gcacaggagc gcagancagc cgcactccag 180
 cccctcttct ctcagtttcc ttaggatcct ctattaccg cccccctcca ttcctaggcc 240
 cagcctgtca ttcctctcta tggagttact gccagattgc cttgcctcac tgtaactgga 300
 acatcaattt tccccatgaa tctgtgagcc ctgcaaagtc aganactgtg ccttgctaac 360
 accctantcc tcaaaagcac acaacagagt ncttgacacc cacgaagctc tcangangca 420
 ttgctgttga ntatn 435

<210> 9669

<211> 344

<212> DNA

<213> Homo sapiens

<400> 9669

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 gcactctgggt tttctactgg gtgtcaactg gccaaaggant gggggaaggg tatgtgcctc 120
 cttactgctg aatgggggtg anaatccana attcccacgt ggtctccact gaaactctgg 180
 gancggacaa acttccttac tgaccagtgg ggatnaaatt tctggctcct ggcttggtct 240
 tctctgacac caccacagca agggganaan tctcacttga ctcanccctt gctgggtgng 300
 gtgaaggggg accacantgt ttcctgtggt gttcanctgc anta 344

<210> 9670

<211> 359

<212> DNA

<213> Homo sapiens

<400> 9670

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 gctttcnttg ggangaaaaa canggggtcc tcatatctcc accaagtatg tnaccaacac 180

aaattcaatg tencatctgg cactggccca naaaaangaa ccactcaccc agggtcaccc 240
 ancaagcatg gccagggtg gtcacactgt ggcctgacag gggacccaca ctctgggctg 300
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<210> 9671

<211> 624

<212> DNA

<213> Homo sapiens

<400> 9671

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 ctatgtgttt tttccttaca aanactttcc accagtaaga ttgttacaat gtaaggtaag 180
 aaaacagtgt gaactatgtc acgaatagtt aatacagtat acagtattaa gatagttttt 240
 ctggtctcta aagaaatggg actttagaat tcagtgtgtc tcanaaataa ttctgaccat 300
 taagtaaaca tcaaaatttt aataaataac ataaatgaaa aaacaaacac cttttaaaaa 360
 ttgcttatac ctaacaaaac aatttctttg atgaagggtc tggttggntt tatcttggca 420
 gtgttcattt ttatacaatt tttgaattgc atttactcca ttctgatgaa attccccctt 480
 ttggaatccc ngaanaaatg aaaccatac tgctaccata ttgtgncctc ccgaaatgct 540
 tcnatcccct tccgaaccna atgaacaccc ccgccttgna anacataaaa naacantttt 600
 tgtgccgtac cgaaatcctt aaaa 624

<210> 9672

<211> 607

<212> DNA

<213> Homo sapiens

<400> 9672

gaaattgcag aaataaattt tattttttaat ttccagaagt aaaaaaagtt ataatacttt 60

特平 1 1 - 2 4 8 0 3 6

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 tcttttcttg aaaatactca aatacaccta cattgtgctc ttttaaaaaa aaaataagga 180
 tacttacatt taaaaagttt ttgaggaan aaaattgtac aacattcatg tttttcatga 240

cactgaatga tatatcaatt tatctcttag aanaaaaagt agcataatta aaatcactgg 300
 ttcctaate ttcaactctc tctccacaaa taaaacctac ctcttttcac aataaaaaag 360
 caaaaaataa tatacaatcn aaaggagcta aactgaaact ctttatcccc ttgtcaaaa 420
 nataaattaa ttgttgggan atcaacataa caatccnccc tgaatttttt ttcttttacc 480
 atttancctt ggtcaaaaaa naaataataa tctatancce aaaatntttt aaactcctat 540
 cccttttccc cttatctgta aaaaagaaaa tggttttntt ttttaanggaa cttttntttt 600
 tttttnc 607

<210> 9673

<211> 468

<212> DNA

<213> Homo sapiens

<400> 9673

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 attaaganca ttatganaag tctggtgaga ctgttacaga aaaaaaaaaa taaaagtttc 180
 tgantctgat aattccaagg gtatctttta naactcactc actggtgtct gtgcagggac 240

<213> Homo sapiens

<400> 9674

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ccaattaatt cctgattaga taagtcatct cctcctccat tttgaataat attatttact 60
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tctgtaactc ccggtgaact caactgtgct tattactctt cagttccaaa ttatcacaat 180
caaaatcgta agtgggtggt gggctctttg ancagtatct gtttggtttt ctcgtgcac 240
atttttcatt gatttcctta tgtcacggga cagatcttcc agttttctgt ttttgtttgg 300
gtcttttccc tgttcttttc accagccctc aggccaggca cagtggctca tgcctgtaat 360
cccaacactt tgggaggctg anacagcgga tcactttag ccaggaattc ganaacantc 420
tgggcaacat gacaaacca tctcttaatt gtccaaaaa attatccatg tncctentnc 480
cattttcngg aaatnccaac 500
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<210> 9675

<211> 552

<212> DNA

<213> Homo sapiens

<400> 9675

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gagaacgaat cttgctctgt cccagggctg ggantgcagt aacgcganct cggntcactg 60
caagctccgc ctcccgggtt cagccattc tctgccccca gcctccanaa cagctgggan 120
tacatgtnc cgcaccacg cccgntaat ttttgtatt ttagtaaaa acagggttc 180
accatgttag ccangatggt ctgatctcc tgacctcgtg atccacctgc ctgacctgc 240
caaagtgctg gggattacag gcgtgagcca ccgcacctgg gcccacctt gatttttaag 300
gaaacttcaa cagagttct tccagtcctt tttaatgat ggacactgtc aagaagtaaa 360
ttcacctaa taactggttt atccanaaag aaaactgact ctcattcaa atggcattat 420
attaccca atactatct ttacatt ca accat ttt tt ttaattt taaccccaaa 480
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<210> 9676

<211> 531

<212> DNA

<213> Homo sapiens

<400> 9676

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aaaaaataaa atgttcgcac aatggganaa aattgcttta agtggttacac cttanccaac   60
agancccaaa ctccgtgttt ccgttctttc tctttcgggtt tctgctgang gctgggtgaca  120
cactggcctc ttgtcagtgg ctgccggcag ggccaggaac aaaatanaac tgcagcacag   180
ctcagtccaa aaagcgctgg caggccttct tccaccggca ggccgtgcac cactgggtccc  240
gggtgctgat gccatacacc ttgcggcact tcttagcctc ccctcgggct ttcctggcac   300
cactctgggc ccgggggtgga gaggtgacca tcanatgaga tttcatcnca ngtgctggct   360
gctggggctc gctgaactta ncgaccggct ccggaccgga aaaaaaaaaac angcggcgga   420
aggggcanca cccactgac actggtntnn attttttgtt aaaaactggg atnttgaaag   480
aatgcaaaaa cctgttntcc ttattttccc gaattttccc naaagaancc c               531

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<210> 9677

<211> 621

<212> DNA

<213> Homo sapiens

<400> 9677

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gcaaactgaa tcctgcttta attcaagctt gtggagaaca aagtcctaca gaaacattcc   60
acagaatttt ctggaaaaga nggatcacia caaccctgtt aaaaggagac tgagagtaat  120
tcatagctca ccaagttctc tccgtatcaa atttccagaa taccacaag atttcttcac   180
cagctcagtc ctgactcaac ctcttcaatc tttatttcat tagaagacaa agggtcatat  240
tatttaaaat tattctagtc tcaagaaatt taaagacttg aagtagtaga gcattcaaaa   300
attacatcaa ttt

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特平 1 1 - 2 4 8 0 3 6

gaaatagact gaatcactct agacataatt tcattagggc tgcaaaccac ccagggggag 420
 agtancacaa ttataccatt ttgttateen cattccccag aaatttgcta ccccaatnaa 480
 naaaactttg tngcentana cacttatatt tttaaatac ccccccaaa atttcctgt 540

ttcccccttt gtttcccttt ccccttnaa attnccccnt gaattctccc ggagaatgga 600
 aaanccnntt tttccctngg g 621

<210> 9678

<211> 604

<212> DNA

<213> Homo sapiens

<400> 9678

agactgagtt tcgtcttgt tgtccagtct gtagtgcaat ggcgcaatct tggctcaccg 60
 caacctccgc ctccagggtt caagcaattt tcctgcctct gcctcctgan tagctgggat 120
 tacaggcatg agccaccata cccagctaatt ttgtatatt tagtaaanat ggagtttctc 180
 catgttggtc aggttggtct tgaactccca acctcaggtg atccacctgc ttcggcctcc 240
 caaanantg ggaatatagg cgtgagccac cagcctggc ccaaactgan tttttttaa 300
 ggttttctgt gaatcataaa ttctactgaa gccctatggt gtataaatta ttttcaatct 360
 ctcttttctt catttatatt ttcatatagt ccctattcat aacacaatga tggctcaaac 420

特平 1 1 - 2 4 8 0 3 6

<400> 9679

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caaaacctca gctacaaaac agatcagtgg gctgcttgcc cgtgtggggc atgggctggg	120
ccccgancic tccctccagc acccantact tcttccacaa ggccctatgt nancctagtt	180
taaaacccca gggccttggc aggggtcagg tgggcgggaa caaggggtgg accttgtanc	240
actggagcta aancanccan ataaggtggg ctanttctta anacctctgg anggtgtggc	300
ta	302

<210> 9680

<211> 554

<212> DNA

<213> Homo sapiens

<400> 9680

caaacatcct gcaaccttta atatatatca tgttgtgtga gttttaacac atttgggctt	60
gcatttgttc tacaatgtgt aatatgaaa gtttatcagc acaactagac tgaattattc	120
ctcacataaa tccttgggat gtgttacagt ttgatccctt ggtaatagc ttcaacatgc	180
acaaaatata caaagatgtt tacacathtt gatgtctagt gagttgtgag acctaaatga	240
agcctctgcc acacagtttag gtgtatatga tttctcttta gcatggactc tgatgtcaat	300
gaatgcttga acttgtgatg aagggtttgc tgtacttgta aggattctct caanaaatga	360
aattctctga tgctgtgtag gagtgaattg tgactgaaaa ccttgccaca ttattatac	420
ttgtatggtt ccctctgaat ataaattcct tgaatgaacc ccaggggaat taaactttga	480
actgaaaaac ctggcnatt aatttcttt aaaaggntcc ccctaantg gaaaaatnaa	540
attcnaaaa aggt	554

<210> 9681

<400> 9681

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atattttcag cttcaacttt aggcacttca ctcagttctt ccttttcate tatctcttca	180
aggctataat cagagcttat tccaaatgtc aatgatgtta tggctgcctc aggtgtccca	240
gggcactcaa anacagaggt ttcctccatc agtttgggcg cagtgcactg ctcctgactg	300
gaaancccan ggtgaaaggt ttcacttaaa natgaaanat tcaaaantgt tccncctaaa	360
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<210> 9682

<211> 563

<212> DNA

<213> Homo sapiens

<400> 9682

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gagatactaa agatcagaag actggccaat tgagaaaatc aagtttcatg attaagagtg	120
actcaggaag gatgtcttag ttatgagggg ggcggtggaa gacagtttat atctttgggt	180
atttatggca ggtcagaatt aaagatttaa ctttttcctt tactctttac ataaaaagct	240
ggtttatctg aaaaaagtat caatctanac ttggcaataa agtggcactt aggcactata	300
ttattgatat ctacaatgac ctcctggatg cacaaaaaac cctgaagggc ttttttgatc	360
agcaaaacaa aaacagaaaa gcnaaaaaca gttaattttt gttttgtca attttactca	420
ccanaccctt tgataccaac aatgctggaa aacatttggc aaaaacaggg ccncaatgcc	480
aantnccttg gaaaggtaaa ctcctataat cttnccggat nggcaanttg ntggggtttt	540
ttgggtattc ctttgaaaat ttt	563

<210> 9683

特平 1 1 - 2 4 8 0 3 6

<212> DNA

<213> Homo sapiens

<400> 9683

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aatacaaatt cctaccatta aactggcttg gttgttgttt gggttggaat aactgtgggg 120
gcttggggaa aggtgtcgtt tctttctant antctcatgt cgctttangt cagctgggct 180
ggcttacacn cgctgtgcgg tcttcatgga natgggaact ctgtgtgtca gcacaggaaa 240
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accccgangaa catcantgca agaangaaaa aactgctggc aaaaatgact cccaaggctg 360
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tttttacctg ncagggtgta ntngcacctg caaaaccaag ttctnccgtn aaaaaagaa 479

<210> 9684

<211> 613

<212> DNA

<213> Homo sapiens

<400> 9684

ttnaggaaaa naa

613

<210> 9685

<211> 577

<212> DNA

<213> Homo sapiens

<400> 9685

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 aaattcttaa agtanggaca gaacaccaac aggntctana ctccggaaga attgtaagcc 120
 gacaaatggg cattgttttg cttacagtt ttagcttcaa tgtaaataa tattattact 180
 tagaatatta gcatctgaac tatataatga ctattttatc attttacttg aattaaaacc 240
 agaatttctg gaacttccaa atagtcttta aagtttttca atataaacat aaactaacc 300
 ctattcctct ctacatatca aatgtgaaat aactgtcaca atatatcagc attttcacag 360
 aaagatgttt aaggcttctg gcacataaaa tgtgtaattt ctgtgtgaca atgtcataat 420
 tatatacaga aaatatttaa aattctggta gaatttaagt tctnaagatt aaaaaaacca 480
 gaattcccng ttataaaat attaaatcta tgaaccccc tnaaantgaa agnaattgtt 540
 ttccttaana aaccagggg ggttttcccc ccantnt 577

特平 1 1 - 2 4 8 0 3 6

atatacatca ggttgtaaaa ttccagcctt tatttatgtg ctggaaagta tcttttttac 300
 atatcttttt ttagtgata aactcttggtg attcccacag aaaaaggaaa tggtcttaaa 360
 ttcagatctg cacaaatcat ctacccatga aattcattta cacagttaat atgacccgtg 420

aactggaaag gtgaccanac tantacaaa ctggtccact ccttgggaaa ttgcccctt 480
 tgaaccccaa attgtccaac tccccattgg atttttttan cccaattaaa ncctaaaaag 540
 gaaattttcc ccccnntcc tttcctccn gttccnccc c 581

<210> 9687

<211> 409

<212> DNA

<213> Homo sapiens

<400> 9687

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 ctctcaggaa gcccttgcag ggcctatcga ggacagctca gtcactgaag ggaaaaattc 180
 cataccaaag aanagagaaa aattccatac caaagaacag acttccccca ggggaacctc 240
 cgctctacag cccctcaggg ccatcacact cacacacntc agccatcntc aaaatattgg 300
 ccatgctggg aaaaacagga ncctgaacta aaagggtggc ttcaaaccat ggcntccgat 360
 ttatttttnt tncaaataaa tnanttaaaa angtctacat gaataaaaa 409

<210> 9688

<211> 523

<212> DNA

<213> Homo sapiens

<400> 9688

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 ttactaattt aaaaaagtt tgtgttgggt accattcgta caacacagtt aatttaaaca 240
 ttctcatttt ggttgacat gaaaaaggcg gcagtagaaa ataaagtcac tgagggtttt 300

taaatagcag aatangcagt cttgccatgc aggagaagca atattaaata ttagtttcaa 360
 aaaaaatcca catttaaaaa tatttagttc aagtcacaga attttctcag tanaaacccc 420
 aatgcaatgc ataattanct ggcttaaatg gcccgtttga aaaggatana tccctncaaa 480
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<210> 9689

<211> 505

<212> DNA

<213> Homo sapiens

<400> 9689

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 cctcaccaac ccttgatgg gctcccaagg ttgtgcanaa aatgctccag tcaaaaggat 180
 ananacattt gggaataagg ctgtcccaa gttgggggaa ntccacggcc tggantgggtg 240
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 ggtcaaatec tccttccac gggtnaagcc gcctccttcg cacaccaca actcccggca 420
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 aaggcccgcnc caaaaccca tggtc 505

<210> 9690

<211> 624

<212> DNA

<213> Homo sapiens

<400> 9690

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tgccataattc ccttaaaaaac accattgaga atgcaaaaata agtccctttt ttgttttttg	300
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acgcgtgctc gcacacacag agtcgggatc aaagaatctt atctgataca tanttggggg	420
agcacgggaa aaagctggca agaaaaggat atggagagat ctgatcagct aaagatgttg	480
gaatgttaca ntatggcatg gaaattggtt cttgggctat acaaaaaagg ggggtgggcag	540
gcaaaaaaaaa taataantcc cggtcncata aaaaaagttc agtggccctc ctnatttaaa	600
nanattaaan gccntttcct ggat	624

<210> 9691

<211> 376

<212> DNA

<213> Homo sapiens

<400> 9691

aagtcagagt tgccctttat ttttagattc ttaaattattc tanaatgagg taaaacgagc	60
ctgccagtac aaagtgaaaa ttctacatgg tgcattcttg gcgcttcatt catgattatt	120
tcaatgaacc tcttcttggt cactcttaan atagatctga gtttttgact cgccagtcaa	180
gggctttggc gacactcaat gacataatat tcttggaata agcagtagca tttctgactt	240
ttcatattca gctcggaggt gtattgtctc gggctcctgt gcagtcnanc gccacggctg	300
ctcatcggat gatccaggat ggggtccttg gcaattttcg ggttctcggg tccaagnatg	360
gccannccgt ntnttg	376

<212> DNA

<213> Homo sapiens

<400> 9692

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aatggtcaa actagaacca ggatttaatg tgaaaaatta aactgattct ttattcacia 60
atttataata ccactctact gcagtctttg actccaagat attttaaatc atatttggtc 120
gctgangaan anataagtta tagtatgcat ccttggtcca aaaatctggg cccttccatc 180
cgcaccagcc cttttccaaa ataacttgca ggtcttcagc accggtataa tgtggatcta 240
gaatcagaaa ctttatctgc cctgtaatct cattccatgc aactcctagt attgtgtggg 300
ccaaaactcc tccccgatc ataactggag ttccttcact ttggaaatga ttagccagtt 360
cccgtccttg agaggcaatt tctgaacctt ggctgacaaa caggattttt gacgttatac 420
cgatcaattg gtttagtncc agctgccctc aataaattca atccattggc gcgatccgac 480
aatttngttg gttgtccccg gctccaacaa aaccgccgna attcncngtn tntttggaaa 540
ggaaccnccg t 551

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<210> 9693

<211> 410

<212> DNA

<213> Homo sapiens

<400> 9693

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aaaagacaaa gacaaaanaa tatatttgga aaaaaggctn ggaacacttg cctctantgg 60
anaanggaac tgaacttgtn cacagccttc cgtatttatt aggcaaaaaa aataatgtga 120
aaggaaatgg aaaaaggggt cnctgctcng tccaaaatan gcttgcaana ctgcattctc 180
tggatgtccc aatanataac ctcaaggagc ttggcgtcng gaancaattg ccctcagcaa 240
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<210> 9694

<211> 553

<212> DNA

<213> Homo sapiens

<400> 9694

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ggtttcaact gccagcttta ccaatgcagc atttatttta aaattaaatt aaattaaana  60
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cgtggccggg cggcaacaac atcacactgg gccatttaag gcagctcctt ctggcggggc 180
atctgtcttc centcctttg tcaactgtccc canggtggcc accatggctg gggctgctgt 240
tactgccatn atgggcccta nggggaccnc cacggccagt gcaaaaaaaaa ntgctggggt 300
nggtatggcg gggccancct tgctcaatgc tgtggtgatg gccacantaa cctcgggggg 360
cacanccacg gctggggcaa caatcacttc ctttggcccn gggcaagcaa ggcttaacaa 420
ccngctgtca acacacccga cctgccgaac gcctcctctn ttctggccac tnttggcaen 480
ggggggctcc ccgnccggga accctctcac ccatncattg gnaccttcc ttcttgttcc 540
cacccccctt tng 553
    
```

<210> 9695

<211> 424

anatggattt atgtcataag anctgccttt gtaataaaan tggaataagg tnngctacca 420
aana 424

<210> 9696

<211> 576

<212> DNA

<213> Homo sapiens

<400> 9696

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catccaaaat actcttatgt ctatctgaat ttttttcctg tactcttctt ttttcttaaa 420
agcatgatag acccctctgc aaatacagan cctttgttgt tgctttgctg tactttggta 480
ccttgctgtt tattccttaa tctaacacac cttagtttgg tagtatatct tacttaattg 540
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<210> 9697

<211> 581

<212> DNA

<213> Homo sapiens

<400> 9697

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atcactgcta caacacaggt tgctaactga gcctctgata ttcagccaca tcttgatttt 240
 cctaataatg agtaaatact gcctggctaa aatgcagcaa agtcttgatg agagaaagca 300
 tcaacagatc aagcaaagcc atgaaaatta tgaagcaagc tagagctgat tattagaaat 360

tagtaaaaat gattaagaag aggatgacac aaccntacgg gatttgtata ttctgattga 420
 cactcttttg gcagcgaatt gggtcagcac ctccggcagg gaaccaaacc tgaatgaaaa 480
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<210> 9698

<211> 570

<212> DNA

<213> Homo sapiens

<400> 9698

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 acatatataa gcacataaaa atcattttac gtaatacgtc gcgaaatacg ttgactcctc 180
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 tgtgattttg gaattancca tgcctccgc aaggaaatcc aatgttggtt ttgatnaaa 480
 atnaatcccg gttttccggt taacccttta tcatatactt ttggcaaacc ccaatggaaa 540
 attcttctga attttactat caaaaaatcc 570

<210> 9699

<211> 512

<212> DNA

<213> Homo sapiens

<400> 9699

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gctaaaa	atg tatattct	gt tgatttga	ag tgganant	tg tgtaa	atgtc tgctt	gggtcc	300
aaagctga	nt tcaagttc	tgt anttctg	tag gtctgctt	gg tccaaa	actg anttta	agtc	360
ctgaatatt	c ttgttaatt	tt tctgtct	cat tgttctgt	ct aatattg	aca gtgga	atgtc	420
aaatctcca	ttattatt	gt gtgana	atct aagtctc	tgt taggtc	ncta anaact	tgcc	480
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<210> 9700

<211> 569

<212> DNA

<213> Homo sapiens

<400> 9700

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<210> 9701

<211> 568

<212> DNA

<213> Homo sapiens

<400> 9701

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gtgcttttga cttgatgaat tgaatgagtt catgattcaa ctttctaag ttgtctactt  180
gaaaaatagc aagattctta tctgcagcat ttaatgcatt aagatgtatt agataggcat  240
atcagatata ataaaattaa aattgtgctt atgttaattc tgtaatagac ctaactttaa  300
aacacctcat gttattcact aggagctatg atctagtcgt gacaatattg gttaaaatag  360
tccatctgag gcagaaagtn aacaagcaaa gtcacttttg caggcttttt aaactgtata  420
acacatgaaa ttatgactat tccccagatt atgcaaccag ctcaattta aaaagctggg  480
aacaatatat atgaagggtt actccccatt ccttcctttt cctttntntt tgaaacngaa  540
tttccccctg ttgccagnc gggattgc                                         568

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<210> 9702

<211> 562

<212> DNA

<213> H

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 ttaccaattt tagcaaaaaa tcccaccaa tcaaggggga aggnatccaa acnttccaaa 540

atcttatctg cngccaaann tt 562

<210> 9703

<211> 570

<212> DNA

<213> Homo sapiens

<400> 9703

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 ctaactcgtc atctancatt aggtatatct cccaatgcta tccctcccc tccccccacc 180
 ccacaacagt ccccanagtg tgatgttccc cticctgtgt ccatgtgttc tcattgttca 240
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 ganaatgatg atttccaatt tcatccatgt cctacaaag gacatgaact catcgttttt 360
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 tgttggacat ttgggttggg tccaaatctt tgctattgtg aaaaatgccg caataaacat 480
 acacntncgt ttntctttat ancancatna attaaaatcc cttgggggttt ataccatta 540
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<210> 9704

<211> 543

<212> DNA

<213> Homo sapiens

<400> 9704

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atataaagca agtaatatatt catgtataat cttaatctca gatggtaggt aaagaccact	240
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ttgtaagtaa ccagaaccac ttgacaagat acctgaataa atgaagcgaa ggatgtctga	360
taaacaagaa cagaagaggg cgtctttaac aatgactcgt aatggtgggt tgcctgaaga	420
ttcntggcta gcacctggaa atgcnnatc tctgtttata nccaaaanat tctggggttt	480
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ctg	543

<210> 9705

<211> 574

<212> DNA

<213> Homo sapiens

<400> 9705

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gcaaaacata ctggaatttc acaaaatgtc caagatttca atatttaagg aactgggggt	180
aggaagcaaa agtggtcttc aggtcttcca gtctttctct caagtaataa agctctgctg	240
tgaatattca aagctatttg gaaattaccg gtagattttt ctgttttttt tttttcggtt	300
ttccactatg ttgtttctct anatatgtaa gcttactcta ttaacaaaa tctcagcttg	360
accattcttg ataagtacct aatcgacatg tnactttttt tctgccttaa atatgtataa	420
canggacana acccttaaatt ctgatcaatt attaatcct gatttacaan ttctatggtg	480
anctaacaa acttatccat caattttt caattttcta acccattttt accaa t	540

<212> DNA

<213> Homo sapiens

<400> 9706

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tttggaaacat ttctataatt cctaanaaat ccctcatgct catcaatacc accccttatt  180
cccactcccc agctccagac aaccctaatt tgacttactg acactacaga ttgtcttttt  240
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ttaggtgcta gattctatta aattgtatgg atcactccca tttgtttatt ctttcatcag  420
ctgatanata ttgangtgt ttctacttta tggactatta tggataaagc tgctactaat  480
attcccattc cagtnttgtg tgganatagg ttttttncce ttggaatnaa caccaggaat  540
gaaattgcc a ggttatacgg taa                                           563
    
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<210> 9707

<211> 522

<212> DNA

<213> Homo sapiens

<400> 9707

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caaatatfita attggaagga actacatctg gaataagfff taaaggaatc catataaaaa   60
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gaatgaattg gaacctanat gtcctaacct gtttctttgc ataaaagcca gttgaatttt  180
gaaatttata tggcaattat actttattac ttacataga gctttgtttt tagctaatat  240
tttagagaca gattacccaa aattacctaa tttggttccc acttcattcc ttctcaaaaa  300
ccaaacataa aacanaaggg ggccagctgt ggtggctcat gcctgtaatc ccaccacttt  360
gggaagccna agaagggtgg atcactaggt caggattttg anaccaccct gaccaacatg  420
gtgaaacccc gtctctacta aaaatacnaa aatccccag ntntgggtggc cctgcctgtt  480
    
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atccccaaat acttaggang ctnangcngg aaaatccctt ga

522

<210> 9708

<211> 512

<212> DNA

<213> Homo sapiens

<400> 9708

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atacagaaac acacatacat acatatacac acggtatfff acatcataat tatacatatt 180

tataaatata ttatttaaat tattttacaa tatacAAAA caaggaggca attataaaag 240

caaataaaaa atggatgaac aattgaacta aatagtcact aagtttaaaa tgctacaaaa 300

ctatffffff aatctagaaa gtcatttctt taaaatatca aaactaagat ttcaatacat 360

cactgttgct ttcattttgg taagttctaa catgttttaa aataaatatt ttgacacaaa 420

acagataagc naatcagaat gatgactagc ncaagctgaa catgctgatg tnaaattana 480

naatccctga gtataaccaa tatanattat cn 512

<210> 9709

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cccnacactc tgcaaatttt ggagggttga natagtaaac actatttgtc ntactccnca 420
gaatttacta tttnacagaa attaattctcc nangggcctt 460

<210> 9710

<211> 435

<212> DNA

<213> Homo sapiens

<400> 9710

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ggatgataat gtgcaaggag cacggagaga aaggacaagg cagtgaacac atgcattcca 180
gtggaggggag aacgaggctg atgtgcaaca caactgagga aaatttatag attaaactat 240
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tatggtanaa aaagtnanaa aattttcacc acaaaaccaa tagttaacta ctaacnnaga 360
aagttatnca caaaatatat ctctcaatac agtgatcaca cctcatctta ntcaaccgac 420
tcnatggccg gancn 435

<210> 9711

<211> 392

<212> DNA

<213> Homo sapiens

<400> 9711

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aatcagtaa taatacaaac aaaagtttaa atgatatgtg aaaagactta caggtaggta 180
tacggntctt aattttagaa aataactcaa gtcagtatca atacaggtta aggagaagct 240

tctaattttc cnaacatttt gatacaaaat ttttttcaac gactgtnttt tatanacctt 300
 ttgtganaaa attagtatag ttctatgaaa cctaacattc nantgatctt atgcnggtca 360
 ggntaccttg tttaaatgag ttagaaccnc at 392

<210> 9712

<211> 516

<212> DNA

<213> Homo sapiens

<400> 9712

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 caactttgtg aagatctaata tacaataata aataaaataa tttatacaag gggttttttt 180
 tcttgacttt tctatagggg tcatattcat taaaaagccc aaaaggntac ctttgcctta 240
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 aantggatna caaactattc tctcggtaat ttatatnca aaacatctaa taaatgggtca 420
 tggtatcaag gnataggtaa cattacttcc nccncattta nttttacttc aaagtgctaa 480
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<210> 9713

<211> 466

<212> DNA

<213> Homo sapiens

<400> 9713

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 aactanttta tctgtaattt ggtcctantt gcttcctta ttttatgtcg tttttttttt 360

tccttaaata aatctgttca aataacctcc ttatnaatcc tcccaaata atgttcttna 420
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<210> 9714

<211> 570

<212> DNA

<213> Homo sapiens

<400> 9714

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 ttttcaaac gaatcaacaa caaaaaagta tccagtgttt cttttcttat gaagattatt 180
 aataaaacgc agtattggta agcacatttt aacagtatgc ttttcttttg tagggaaagg 240
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 tccatggttt attaaaactg catttataaa tggatcagct cctgcagaag taaacagcag 360
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cacaagggat aaatagaact ttattttaaa taaacatttg cactctgtac acagccccag 60
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cacagctagc ggggtgcacct gaagaagagt cccggacgaa anacgtgcc attggacttg 420
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<210> 9716

<211> 584

<212> DNA

<213> Homo sapiens

<400> 9716

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cacagtgatc acaaacatgc agaaaaaagc atacaattct attcttcctg aaggaaatgtt 360
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gtnacagaaa atgaaacccc actccttcng tctttaaaaa ctccgtccca gtccccccct 540
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特平 1 1 - 2 4 8 0 3 6

<211> 562

<212> DNA

<213> Homo sapiens

<400> 9717

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tgggatatca atttgagccc canacttata gcagcatcat atgttgacct ggatgacaag 240
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aataaagact atacttttcc taattgtant tcnaggaaag gatgactgaa cntcttccn 540
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<210> 9718

<211> 575

<212> DNA

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agaaattttt nattttcncc ctcccattcg cagtt 575

<210> 9719

<211> 540

<212> DNA

<213> Homo sapiens

<400> 9719

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tgtgtcccat aaacaaatgc actttttctt ttctgcactc cctgggttgc aggctgcatg 180
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<210> 9720

<211> 567

<212> DNA

<213> Homo sapiens

<400> 9720

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特平 11-248036

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ccctccccca aaaaagtttc agtctagtct ccaaacttgg aangcggcgc tcgtcctgc 420
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 caactccact cccgcaaaag nccgttttcc cacccaacng ntgtctcaa ccgaancng 540
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<210> 9721

<211> 578

<212> DNA

<213> Homo sapiens

<400> 9721

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 caaaacatgt tcatatatat ttgtgtgtgt gtatttttnc ccatttgttt tggcatttcc 180
 cttaaacagg atgttaaaag ataaagaaat agatttagtc tatttttctg ctanananag 240

ttatt tta atttgcaaat gcccttctcc tctttgtaag tataagaaat 300

特平 1 1 - 2 4 8 0 3 6

<400> 9722

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aaagatactt gaaaaacctc tcgatagcac tttagtcac ttaattctga caaatattaa 180

tatgtcatcc atgcttgccc agttataatt ttacaatata attgtatttt tcattgtact 240

tattattcat tatacttact atatataattt aaaacatctt tgctgaaatt ctcttatccc 300

aaaaataatt tttagtaac tccaaaatac ccacatgtac ctcttagcag gctattccaa 360

tatcaaaatt ctttttcttc aagtaacaag ttctcaatcc acaccattcc tgatcacaga 420

tataactgat atgcagtttt ataaacagct ctttacncct ggtnccaatt ttagcngggc 480

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<210> 9723

<211> 569

<212> DNA

<213> Homo sapiens

<400> 9723

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<210> 9724

<211> 566

<212> DNA

<213> Homo sapiens

<400> 9724

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<210> 9725

<211> 535

<212> DNA

<213> Homo sapiens

<400> 9725

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gaacaatata ttctaagtct gtctaaaaca cagctaaatt atttttcttt atttgtttat 180
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特平 1 1 - 2 4 8 0 3 6

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<210> 9726

<211> 556

<212> DNA

<213> Homo sapiens

④ <400> 9726

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 ccttttgaaa ttttaaatit ttttcggaac cngggtttgt tccctattaa aatttccaaa 540
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<210> 9728

<211> 381

<212> DNA

<213> Homo sapiens

<400> 9728

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<210> 9729

<211> 551

<212> DNA

<213> Homo sapiens

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<210> 9730

<211> 366

<212> DNA

<213> Homo sapiens

<400> 9730

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 aattttttta caaagagccc ttactataat ggtcacttac ctctatcat tcacataaca 180
 gcagtagata tcccaggggt agcatccaga gctgaggtgc cccaaggaag acagaggcaa 240
 tggcagaata atatgctgag aaaggactct taagaagcaa tacnaagaga acagacnaaa 300
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<210> 9731

<211> 521

<212> DNA

<213> Homo sapiens

<400> 9731

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caatcatttt ctttgcatta tttcaaanaa ttcactaat tagcttagtt tgggtctcat	180
ccttattaaa aagttaaggg aagtagctga caatctcacc aaagctctat acaattgcan	240
atganttaat tctctaaaag ttaactgagg tgctaccact agaaaaaag aaatggaggg	300
aagacagata aaatcnagan atggtcntat tgatgaaaca gtatgtctta aattttccta	360
tgctccnaaa tagggaaatt aacagctacc ttaaattaga aataactaag tgaacagttt	420
cctenggtnc atttagtgaa gcatttgta gantcctttc tcaatttcct cccattatt	480
gttctattcc aattctcncc tcnaaaaaaaa nncactttta a	521

<210> 9732

<211> 584

<212> DNA

<213> Homo sapiens

<400> 9732

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taagctcttg aaaatgtcca gaagctcaca cttagtatga tattaagg cacttataac	180
acacaataag atacttagaa acccatctca tagatacaat tgaaatttct ttgagaaaaa	240
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cattttcccc atgttaccta tacacacat aaatgtggac acctctccc attttgttc	360
ttgatacagg ttgataatca agctgaaatt aatttgcttg cttttctcna tttaatctca	420
atttggttta aaataagca aaattcctaa tttgtttnc aggatcttta aaatacccg	480
cttatttcca ttttggtttt aaatcccaat cccttaatta ggaaaataag angccnaant	540
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特平 1 1 - 2 4 8 0 3 6

<210> 9733

<211> 434

<212> DNA

<213> Homo sapiens

<400> 9733

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caggtacaca tttaaagaata aaatgaagtt aagcagctgg agtataggat agtatttgat 180
tttcaagatc acccaaagct gcactatcgt ccaaagctg accaagtaga ataaaaagaa 240
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caaatgttta atttgcttct ccaaagtcac tcattctcaa aantctgatt ctgggaaact 360
gatgccncta ccctaaaacc ccnctgacca tnttattgtg catcagttnc cncttgcca 420
ntaagcattt atcc 434

<210> 9734

<211> 519

<212> DNA

<213> Homo sapiens

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519

<210> 9735

<211> 353

<212> DNA

<213> Homo sapiens

<400> 9735

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tactaagtct tagttacatt ttggtgcact gcgcttaaca caccattact ttataaaata 180
caaacaagag agatagttca aataaaatct aaactcataa ttacttggtg gtaagacgac 240
tcatagcct taaactctcc tcaaataat tttactgcca gttgatagaa naacctggat 300
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<210> 9736

<211> 515

<212> DNA

<213> Homo sapiens

<400> 9736

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atgaatcata taaactgtag actgccacta ccacgatact tctgtgacac agaaggaatg 180
tcctatttgc ctatctatct gaggaatggt aaatagagaa aaatagatta taaaacaacc 240
tggaggtcac aggattctga nataatccct ctgttaaaaa acatctgaac agcaaatgtc 300
caatctgtaa taaaatagtt aaagggtcaa gtcaagtcca cttctacttg gctggcccag 360

tccnaaccng tganttccaa agaaaaanttgc ccggg

515

<210> 9737

<211> 466

<212> DNA

<213> Homo sapiens

<400> 9737

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gaaaaatact tatttaaata gaaatttgtc agacatgtag aaaccagtca cattgtagct 180
ctggcagatt tctgcaggag atccagtgc acatttcatg gtcctagaaa tggttttcct 240
tactctttga atctttcacg gttgatgagg tgggtgttgg gatgaaggcc aagggaanan 300
agtggagaaa atgggtgatgg gagganttta ggaggccaag tcttaattct gctcaggcag 360
aaaacagttg aantgtctgt gatgcattgt ccanacacga atgagacacn naccctggtc 420
tatggcggct tataatccaa ggtgttgctt cntattaaac ngganc 466

<210> 9738

<211> 520

<212> DNA

<213> Homo sapiens

<400> 9738

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tgtggtcatc tccataaatt gcagacagac attgaggtca gggagacatc tccccacact 180
tgcaaaatct tcatanaaca tgggtggaagt ggatggacaa agatgtatgg tgttgccat 240
ttattattac cttgggggaa atgccagatg anctgatact gatcacggtc agattttgga 300
aacgancga ggatancggt gcaaccanan ggtgctctgg tattcattgt ctancacaa 360

gatgctcana tcaaattggt tgccgtcctt gaaanaacac attgtnggca tctccctca 420
 cacttcagg cccacacac ntggctgtcn atnaccaaac aatgggcaa atncccccc 480
 aaaatggaaa ggcaaattct gaatttcn tccccccn 520

<210> 9739

<211> 518

<212> DNA

<213> Homo sapiens

<400> 9739

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 tcttataaa aatcaagcct ctatgacttt ttgtctttcc agtgtgagat ggcaaaaggc 180
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<210> 9740

<211> 556

<212> DNA

<213> Homo sapiens

<400> 9740

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特平 1 1 - 2 4 8 0 3 6

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gacctcaact accattcaca aggtgcagtt aananaacttt tggacagttc acagtgtcaa 300
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aatttcaaaa catcctaact tgctgtnaaa tteccanaat tcctttatcc tccggtcccc 420
ctccccaaaa aaccnccccg ggaaccttta cctccattn aaaanaggaa ggcaaccctn 480
cttncttttg gccncccttg ggtcagttac tttttggtga atntccccct ttccaaaaa 540
gggaatttnc cgggaa 556

<210> 9741

<211> 487

<212> DNA

<213> Homo sapiens

<400> 9741

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accgatagca cacaaatatt caacctcatt aataatcaaa ggattaggat gcacttcttg 180
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<400> 9742

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caaaggaaaa aaagatgact ttataataa cacatccaga tgaaatttat cattaaattt	240
tggatttcat atgatgttaa gtatggatat attcaaaaca attactattt atagaaccaa	300
tttgatatatt tgtcatttaa aataatgaat actatgtnaa tgagtactta taaaaatatt	360
tttaggcaaa aagctctggt ctactcattt acttgccagt tacaaaaata tatattcntc	420
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<210> 9743

<211> 534

<212> DNA

<213> Homo sapiens

<400> 9743

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<210> 9744

<211> 530

<212> DNA

<213> Homo sapiens

<400> 9744

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taagcatgtt ttaeettca tttagttcat actaaaatat aataagcttt aaatagctca 180
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ctgagctatg ggctcgnaaat gttttactta aaaagccaac aatccccgg aaatctgaat 480
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<210> 9745

<211> 543

<212> DNA

<213> Homo sapiens

<400> 9745

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tttaccctaa aagtaggttc tagaaaactg actattagga ttgaataaca aggctc
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aat

543

<210> 9746

<211> 545

<212> DNA

<213> Homo sapiens

<400> 9746

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<210> 9747

<211> 518

<212> DNA

<213> Homo sapiens

<400> 9747

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caaaatgctg ggattacagg cataagccac cgcgccagc caacacttaa ctgatttctt 300
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aaatggaaac cccnttggcc anggaaaatt taaattaaaa ccnntaaaat ttaaaaaaatt 480
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<210> 9748

<211> 513

<212> DNA

<213> Homo sapiens

<400> 9748

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<210> 9749

<211> 505

<212> DNA

<213> Homo sapiens

<400> 9749

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特平 1 1 - 2 4 8 0 3 6

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ctcatgaagt ggcagtgaac ctacatttcc atttatcaga agcnaacatg gaaggttaca 420
tacatgatga antattggaa gttaaagact tnagacacca aatccctaatt ttnaaagaac 480
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<210> 9750

<211> 608

<212> DNA

<213> Homo sapiens

<400> 9750

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<212> DNA

<213> Homo sapiens

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<210> 9752

<211> 604

<212> DNA

<213> Homo sapiens

<400> 9752

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gctatatttt tcctttctga ctcaataatc ttcaaanaat tcataggaaa gtcagtactt 180
gcanacaagt ggtagcttg gctaaaatgt acaaaacacc cagaaccac aaaacactca 240
gaggtttagg aaaatgtttt aatgcttaaa angcaggatc aantgaanag gttacanaaa 300
tcagtgtctc tggctgggca gtcaaaaaan caggctcaaa ttctgtgact cactnctctg 360
tgtctcggtt ggaaatnaat gggatatcctg gttccacact tcccacacgc tgtgatactt 420

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ggtt 604

<210> 9753

<211> 589

<212> DNA

<213> Homo sapiens

<400> 9753

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ctgttttctt gtaataaagt aaatgcagtg ttcatttttag taacaaaaca ggtcttcact 180
gggagggaga aatgaggaaa ttgaccccg cgtggctgan gcctggaatg agctccatgg 240
gcaggctcca ggaatgatgt aattttgcct cctctcaagg ctggcctcaa ggaggcctga 300
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ttcaaacggg ctaaatntgg gttctgcttg accactttct gtntttcatt tggcaattcn 480
cttccccctc ctnaaccttt ttcattttctg cctatctaaa atcaaaatcc cncctnatt 540
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<210> 9754

<211> 538

<212> DNA

<213> Homo sapiens

<400> 9754

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tcatgctgaa acacagctct gccacccaca acttgagct gaccagcccc caggggaaca 180

tggaananga caggacacac ctgttctana aaaccaggtc ctcagtaaac actgctggga	240
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aggcaaaaat gccatgctca ctgcaaacta tggaaatgan gtcaaaacaa aatcaantta	480
ncccttgatg ggaaaaantt ggncccaaaa acccatttct aaaaanggtc cccgtgntt	538

<210> 9755

<211> 499

<212> DNA

<213> Homo sapiens

<400> 9755

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cctacaaaaa gtcctttgtg gcaaactact atganangaa actccatcaa aagtcccaat	180
tggtcatttc atttctactg tgctacggaa gcctggtttt gttttaaggg ctaacgtcct	240
aggttttaag caattttttt tgagctttgg ctaccagct aacaagcagt aaaataatca	300
actcaaaact acgtctgatg ccaaagctct aactctaaaa ctcaatatan antttttttt	360
ctgtgacacc tcccctcgtg tctcccctaa ctgcgactcg cattaactcg ctgctgggtc	420
ccanctggan ancacaaatt gcacctgctc cnaaacccaa cggggctcaa tntctccgca	480
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<210> 9756

<211> 607

<212> DNA

<213> Homo sapiens

<400> 9756

特平 1 1 - 2 4 8 0 3 6

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 taggcaaagg tctagctttt cagtggcaac ttgaagaaac caaagatgaa tgatgctaaa 180

ggaatgaccc tttggtacct gttttaaagt acttctggcc cccttctttt ataaaccccc 240
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 aatgtaataa ctgaanatat gggccagitt gtccatgtca cgttccgact tgtangtcag 360
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 tccaaatcct aaactttttg gcccctttct cccacacat caggccagtg taaangaaac 480
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<210> 9757

<211> 509

<212> DNA

<213> Homo sapiens

<400> 9757

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<211> 434

<212> DNA

<213> Homo sapiens

<400> 9758

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tgtctcatg gagcttcaca aagggttatna gatgaccacac tcactctggt tggctgtggc 360
catngacaga caccataaaa tcctngatg tggtccantn ctgaactgng ggggcnngtc 420
tgaacttgcn ttaa 434
    
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<210> 9759

<211> 396

<212> DNA

<213> Homo sapiens

<400> 9759

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cccaggtaca acagcaggtt cttttccaat tcctcaaanc gctgcatggg gtggggggcan 60
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ccaaataggg actaactgga ggggtngaag ggaacaaggt gaaaggtatg ggtcctggtg 180
aaacaaaanc aggggggcct gaaaacacaa aacaaggtgg gtttggaggg ancacaccan 240
ggttcncgaa aggaaattgg ggacatttcc tattccagtg catgtcccct taaataaact 300
gggttcagga ccnttntgga agganaaccc nnggacaaaa aacaaancga gcacccccnc 360
cccaggccaa ccccatcctc ttttaccat tacaac 396
    
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<210> 9760

<211> 576

<212> DNA

<213> Homo sapiens

<400> 9760

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aaatgttaat ctatgataca atgttacttc agaaaacata taataaaata tagttgtctt 180
atagccatgc tcccattttt gatgaaagct agttagcaaa tcctaagtgt agtttaatac 240
tttaaaaatg cataacagat attcagtcag cattataaaa cctttaagac agaaggntgt 300
caagcagaat agacagaggg ctcacatca cttatgtctg aatcttcac tactccttca 360
ataaccgatt tcttcccttt acaacaggat acaattaatc caatcaaaaa taccccaaga 420
aagggccagt taccaaaata gtnagcacc tgaagaaccc aaactnttt aaggaatagg 480
tttttccggg taacattacc tggnttttcg ggaaatttgn ntcanttttt ttgggaaaa 540
aaagggttna atgcctttta aattncnaaa tttttt 576

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<210> 9761

<211> 496

<212> DNA

<213> Homo sapiens

<400> 9761

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acatctttat tgatgttaaa caaatctttt acatctttat ctatataatt cacgcactat 60
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gcagttgtac atccatcac acatctaagt ttagaacact ttcatgccc ccagaataaa 180
ccgtgttcct gttagcagcc actttccatt cctccctccc gccagcctgc agcaactact 240
aatctgcttt ctgtctggaa atggaatcac acaaagcctt ttatgtctgg cntcttcatt 300
actttttagg gccatataat attccattgt tatagctatg ccanatttgg tttatctatt 360
cattantga aggggcattn gggctatncc catttctcaa ttattataaa taaggctgct 420

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特平 1 1 - 2 4 8 0 3 6

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cccagnaatt gtance 496

<210> 9762

<211> 496

<212> DNA

<213> Homo sapiens

<400> 9762

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tgtttttcag ctccatcaga tcatttatgt tcttctctaa agtggttatt ctagttagca 180
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cattctccat ccagttttgt tctcttgctg gcaaggantt gtgatacttt gcagganaaa 360
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tttatctacc tttggtcttt gangcnggtg aacctccgaa tgggttttng tgttggaatt 480
tcctnngtt naaatt 496

特平 1 1 - 2 4 8 0 3 6

gcangcanga ntctgtgttt gggggtctgt ttcaatacca tctcctgggg ttgccgtga 300
 tgcanaagga atcttctcnt catggctaga cactccccaa tgctctgctc caggctgggg 360
 accactgcaa gctggangcg gctgggtatc anggcctggg caccctgctc ctctcttcc 420

cttgggattg gcattttatc tctccttcac tcaaaacatg ggcangaaat ctcngcncc 480
 ccnnaattt tccnnggggt ttecccttcc ccn 514

<210> 9764

<211> 456

<212> DNA

<213> Homo sapiens

<400> 9764

aaaggcatga ttgatagttt atttaataca tataacattt aaaacttttg ttcnncnaag 60
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 tatgatgaca aagatgtgta gaatcatgtc aactaccgct acaaatcagt aagcaaaaag 180
 gtnaaacaat gaaaatttaa gaaaaaaca atttattgaa gaaacacaaa tagccccnaa 240
 acataccaga agatgttaaa cctcactaat gattaaatcn atgccnaata aatgatact 300
 gaggnagat ttgcaagtna aactaaagtt actaacaaaa tccaatgtta gtgaaactgt 360
 gagaatatat gcctttgttc acattattgg caaaagtncn aatttgggggt ctgaaaggaa 420

特平 1 1 - 2 4 8 0 3 6

natacattta aggcataaat aataggtnc actgaggaca tacattgtga agaaaganaa 180
 gaataagtcc aatactaaaa cataactatc atgacaactc naggtgacat gaatatttaa 240
 tgaaaattta gaatataaca acatatgact ctcattctgt ggacataaaa ggaaaaatac 300

agtaattcat ttactcatt acattttaca aaatcagccc aatgaagcag tattttttaa 360
 taaaaacagt aatttaattt caaacaata tattaccatc ccaatccctt ancctggta 420
 aatntttcn aatgggcaaa acntacttta ctgaaattca ntaccanncc atccca 476

<210> 9766

<211> 492

<212> DNA

<213> Homo sapiens

<400> 9766

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 agatatttgt naatgagatc ttctcttttg ctactgtgta tatatattcc tttatattca 180
 taaaaactn caacacatga catttcatat ttcatatgcc actgagaaga ggtgtctgtn 240
 tncagaacat aggaagaaga aaaaagcntg agaacatctg cttagttaga atctgatgag 300
 gagagacgtg agagctattg ttctctctc tgctcaggcc tatcgagagg caactgcagt 360

特平 1 1 - 2 4 8 0 3 6

gttttttggt ttgttttttt tttgtttggt ttttttgca gcagacaata tcattcagct 60
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 gttatttcaa caatggatgc tgtggatgaa ggaataccaa caaacttcta agaactctca 360
 tcaaaaacta aagcaatttg ctttgcccca gtggcaggca gaaggaattt agcccattat 420
 ctcacaaact aggaaangan ttttggaatn ctnantance ant 463

<210> 9768

<211> 536

<212> DNA

<213> Homo sapiens

<400> 9768

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 tctgcctca gcctcccgaa tagctgggat tacaggcgtg caccaccatg cccagctaat 180
 tattgtattt ttagtaaaaa tggggtttca ccacgttggc caggctggtc tcgaactcct 240

<400> 9769

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ttctgtggct gtgtcatcct ctctgtatac tttaatgggt ttatcagctt cagctgttag 180
taatcgactt tcagactgat caaaagcaca agcaaatatt cctgattcac tgtccaaaga 240
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atgcatgggt ccattgtcag ctccagatac aagcactcca tcagaattta ccgtcaatgt 360
gttaataata gcattatgac cggaagatt ttgaatgaaa ctccatcag ggaatttcca 420
ctgctttatg ttatctggag aancanagc caatgntta tgtcttggat gttaaancnc 480
agcccnaacn gaatttt 497

<210> 9770

<211> 598

<212> DNA

<213> Homo sapiens

<400> 9770

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ctgaataact gggaatacan gnacatgcca ccattgcccgt gctcattttc tgtattttta 180
gtaaaaaac ggggtttcac catgttggcc aggatgtgt ctaactccag acctcgtgat 240
ccgcccgtt tggcctccca aagtgtggg attacaggca tgagccacca cacctggccc 300
ctcttttctt tcttaatcac aggatttggg tcactcttct gtaggcaggt gagtttactg 360
cacatactct ggaataccac tgttcanaat gtcaaattaa atacagtgcc aacactgact 420
gaangcgttt tactggggaa aaaactactg aaaaaagaat tentaattat nttctacanc 480

<210> 9771

<211> 607

<212> DNA

<213> Homo sapiens

<400> 9771

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gcctggcccc taaagtatct ttaattaagg tatatacatt gtgttttana cacttcgcag 180
cctacagtac agtgtaaata cttttttttt tttagacaga aatcttgctc tgtggccan 240
gatggantat ggtggtgcaa tcatagttca ctgcaacctc cgcctcccag gttcaagcaa 300
ttctcctgcc tcagcctctt gactanctgg gactacaggt gtgcaacccc acaccgggt 360
aatttttgta tttttactaa aaacagggtt tcaacatggt ggccangctg gtcttgaaat 420
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accaccgcaa ccnggcctaa tttttttttt ttccattttt gggtcnctgg aaaccccccc 540
nccccgttca aattaatata ccccccccc caccantttc ttaaaatacg ggacccccca 600
cttnccg 607
    
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<210> 9772

<211> 600

<212> DNA

<213> Homo sapiens

<400> 9772

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aaaatttaga atgtnataat tattggaaag gaataagaag tgaattacct ctaggagat 360
 accctgatca gtgcctgctt taatcagaca aaacactaag ttttaaaaat tacaaccaca 420
 atattatgcc taactaaaat tgccaatatg aatacttttt tacagaatac attacatgtt 480

ttccagaana aaaatacttg tttcctatcc cccgaacctc ngttaaaaaa aaatntttcc 540
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<210> 9773

<211> 500

<212> DNA

<213> Homo sapiens

<400> 9773

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 ttacaggtnc cgcctatcac gcccggttaa tttttgtatt tttagtaaaa acgggggttc 180
 accatgttgg ccangctggt ctcgaactcc tgacctcagg tgatctacct gccttggcct 240
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 agtctgtaat taactgattc gggctaagcc acttantatc tctgggcttt agttataaaa 360
 tgaatnnaca ggactcaagt ttccttcttg ctcnaatgg ctatacttta aatttatttg 420
 gttattcccn aatanccaaa naaaaaataa atcttatcat ttctatcatt aaaaaaagg 480
 nnatccttgt ncccccttgn 500

<210> 9774

<211> 479

<212> DNA

<213> Homo sapiens

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 attatctacc cegtcacatc cttcttgcct ggcatcccca gagctgaaga aagggaagaa 240

aaaaaatgga tttgtttttt gccatgaaaa atcttaacgt aaagattaat gcatcttgct 300
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 ctgttcacag ccaaataagg gtttactgaa gctccaacgt ttgaataaag accacttatt 420
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<210> 9775

<211> 581

<212> DNA

<213> Homo sapiens

<400> 9775

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 aatataccgt ctgctcaagt acccaagata aganttacac agatcagggc anaagaccgg 120
 gaagaatgaa aaaagataaa gggaaggaag tctccnctga agaaaaaaag aaaaaaaata 180
 aaaataaaaa aagggtgcaa ttgattacct tagtcctcct ttgtctaccc ctgggctcct 240
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<210> 9776

<211> 483

<212> DNA

<213> Homo sapiens

特平 11-248036

<400> 9776

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atatgccctt agtattctgc tatttcactt ttgtggaatt tttcctacat atataatcac	240
aatcacatga aatgacatgt gtataaagtt attgattgca gcattgttta cagtagcaca	300
gtatcaaaaa taaccaaatt gacaccacta gaaaaaccag ctaaataaac tgttattccc	360
atcatgcaag gagatacttt acagctgtna aaatgaatga agatactggt tgttaaantc	420
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ttn	483

<210> 9777

<211> 412

<212> DNA

<213> Homo sapiens

<400> 9777

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<213> Homo sapiens

<400> 9778

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aatctatgac tacaggaaaa catttattta catgccctct acaaaatgga ttacaaaaac 60
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agaaaaccca atatgaaatg acaaagagta ctgtactcag aataagaact tcctctatca 180
taaagttnca cataaatatc agtgaattgt catactcaag actcagattc aggaacttct 240
tcctcagggc agcagtaata ttccacaaaa catatttgct catcttcatt tctaatacata 300
tactgtaatg aaaggaagcc tctgttatct gtccgaatag ataccttaca agataggact 360
aatgcctttg tagagggttt cagtaaggaa atcttgtatc tgttgacttg ggtctgaata 420
caatgaaatg ctctccatc aaaatctttn gganatccan gggggaactn cccgcntttc 480
caaatttaan ancc 494

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<210> 9779

<211> 528

<212> DNA

<213> Homo sapiens

<400> 9779

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aaaaatccat acaaatgata ttattacta tttcttggtt aagccctcat gtatcttctc 60
tattgtatct ttggattctg taaacaaatt actgtatcat gaccaatact tgctcaagat 120
caacattgaa tcattggattt ggtgtcactg agtgcaagcc atgtgaggtc tacatgtgct 180
gggacatacc attcaccaaa cttctcagct gtttcacgac tgtctctatc aacttctggt 240
tgtctcgatc attcttcctg aactgagcaa atatattggt ctttttgcta gtatccttca 300
tcttctccaa aanantaagg gctgtgtttg gattcaccgc aaggactta aaanctggct 360
gcccataatc agctangtaa gtagaccaat cccaaacct aaacangtca aggaattgtc 420
tgaagggtcaa tgaatgctaa ctgcaagggt tccccccggn aaaccnggca caagntccaa 480
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特平11-248036

<210> 9780

<211> 441

<212> DNA

<213> Homo sapiens

<400> 9780

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ttacaggcat gcaccaccac gcctggctaa tttttgtatt ttactggag acggggtttc 180
atcatgttga tgatgaaagg tcccaaacct gaaaccttc acatntgaag cgaacatntn 240
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ccatctgctg tttttaacta ctagggtttc caatataaca aattcnactg cttttcaaaa 360
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tacgggtccn cncctaacc c 441

<210> 9781

<211> 503

<212> DNA

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503

<210> 9782

<211> 409

<212> DNA

<213> Homo. sapiens

<400> 9782

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 cttgaaattt caggggtaaa aagtgggtga ctggaacttc ncctttttta accaaacaat 180
 gttnaaataa acatatctga atagaaaact gtatctgggtt cttttttatg tcaaagttaa 240
 aatactttaa taganaaaat tccatttttc tgcactctatt tagatgatat tacaataaaa 300
 ggcantgtgg attgganaac atagctagtg agaattattan gttngtaat ttataaaaaa 360
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<210> 9783

<211> 599

<212> DNA

特平 1 1 - 2 4 8 0 3 6

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aattattcct ttttggtgca aaacctttta anttnaatta antnccatt aancaattac 540
cctgtccttg ttgcattgct ttggggtcnt gggcccaaaa tcttgcccaa ccaaattnt 599

<210> 9784

<211> 547

<212> DNA

<213> Homo sapiens

○ <400> 9784

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tatgagcacc ttttcaattc tgttcactaa atttcatttc tctcttcata tagtggtatt 180
tcaaaaggat tcagttttca tgatacaggt gtaagactcc tttcaaactg ttttaaaata 240
caacgtataa aaaaatgtgg actgaagcct ttagattgaa cttaaagttc tactgaatgt 300
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ataacatgat atctatttgg tgttccacac tcctgggtgg taattcnaaa nggggaaact 480
tggtgatttc tgctttgtcg gcatactat nggtncgtnt ccnatntta ctttgactta 540

特平 1 1 - 2 4 8 0 3 6

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tcaagaattt tttaaaaact gaaactccaa tgcccagaac aagataaaca gtatccttag 240
cagttagcac tgtaataaaa tctcagatac acaaaaatca agttccagag ggcaaagcat 300

ttaattacag tccacaacga gcactgttgt gattcatata aaacatagtt ctctccaatt 360
tctacacaaa ccgctctttt aatttattha attagatgaa caatgaaaat cgttttcctt 420
ttcagcattt atctaagatg ttagaaataa caaagtagtt gcaataaagt gtttgaaata 480
tttaataaga atgttcgaac cttataccaa attaattggg gaaaaaaga aaaaanaatt 540
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ngggngaatt acacccccaa cc 622

<210> 9786

<211> 560

<212> DNA

<213> Homo sapiens

<400> 9786

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<212> DNA

<213> Homo sapiens

<400> 9787

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cctcctctag cccccttgct acctcttaac aggcttcaaa gtcagaatac agccatcagc  180
tgagancagt tcattttggc acactgggag gccggctgtg cacaccggac ctctctagt  240
ggggatcagg tcctctgctc tccantgggg cctggaacag ctccngtgag atgccccncc  300
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<210> 9788

<211> 614

<212> DNA

<213> Homo sapiens

<400> 9788

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tttgtaatt ttgtctgcta cttttcccta ttttcccttg ttcccttcac cctaaaattt  180
ttaaaaatga aaactttaat cattgttgca tgtttaaact attgaatatt ttcttttgtt  240
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aaaattgaat gttaggaggt tcttcgtttt agaattcttc ccgtgggaga agtttccatc  360
gaactgttat atcaatttta tcatcaacat ttcccagcgc ctgctcttta cagagttcta  420
agaacacctg ctccaaggta gcctgagaga ggctgtattc ctccangttg aaggtctgtt  480
tcactgcctt taatttgaaa aaggctgana cagaagggtg acatccccc caggttaactt  540
acatgccata aagaagaata tcttcccgcc aaccaccgtg ggaaaacctc caaattccgt  600
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特平 1 1 - 2 4 8 0 3 6

<210> 9789

<211> 421

<212> DNA

<213> Homo sapiens

<400> 9789

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agtttcggcc ctcgccagt gcatgtgact ggtgcagggg cggaggccca gccgcacggg 180
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ccagtgaggc agggcgacct ctcaccaaca gagtcctcc aagccatgct ggatttggat 360
tcctggaacc ccctgtaccc atgcggtggg ccacccccag ggggagggga nganatnnnn 420
n 421
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<210> 9790

<211> 573

<212> DNA

<213> Homo sapiens

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ccttttaaag cctnttcaan cnaaaaatcc ntt 573

<210> 9791

<211> 434

<212> DNA

<213> Homo sapiens

<400> 9791

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tcaatcctga aatgtaatca aatggccaaa tacaacccca atttaccact gatttttacg 180
taaagttgag tctttgatca caatgctgtt ccttaagaaa tgatcaataa ctgctgagag 240
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ggcaagagtt attgggcctc aaatcagata tttaactg taanacaact gggaancagg 360
gaaaagggaa aaggcaaggg gggtnggaaa aaggactacn aaaaaaatn ttttcttttc 420
aaangttaaa acna 434

<210> 9792

<211> 454

<212> DNA

<213> Homo sapiens

<400> 9792

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aantgggant tgcaaatgac anaggtttgg ctctgcacag ttttttcana aatccaggct 120
tat t att taatctgtgt aacacatagg ttcccaagtc acatttaatg tcaacatgaa 180

cctgggctat gtnttcagga caaaaggaat cnggtttgat gaaaaataac cgggtgtcaac 360
cataancact attatnttct aggcactttg ctgggggatt cantgatgan caaaaaacat 420
ccttgatgaa caaaaatgac nttcntanta aaca 454

<210> 9793

<211> 318

<212> DNA

<213> Homo sapiens

<400> 9793

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agtgagtatt tcttaagctc ctacagtgtc ccaggaggca ctctgttcat tgtggcatta 180
caaagataaa gattaaggna cgtactctgc cctcaaggag ctcccaatct aattgtgcan 240
anagatgtga aaatgaagca tgaaactcca tcgtgaggan cgccganaac aaaagtctgc 300
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<210> 9794

<211> 575

<212> DNA

<213> Homo sapiens

<400> 9794

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gccagtcag cattggcttt cacatacatt cacttgcttt atttcttta cacctgtgtc 180
atatattaaa aaactacaca ttaganaatt taaaanattt gccaaagtg ctcanaaagt 240

cttgtcta at ttgatttcta acattgttat tgattctacc cctaagtgcc ccaccttaaa 420
ccacaaaatg ttaaaaatgc tggatcattt ctacaatgtt atctctaanc ctggtgaacc 480
aaaaaattgc taaactactt tgtgcaacat tacaatggcn tgctgttact ttatttncca 540

atccaaaatn ttcaaaaatn aaattnannc caact 575

<210> 9795

<211> 518

<212> DNA

<213> Homo sapiens

<400> 9795

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ttgttcaatt gttgttgga gttttgagta cattcagaaa atgaaacccc acaatcactg 180
tttacaacaa atgagtatgt ntttttcta ataaaatgaa gctgcttgaa aaaaacatac 240
cttaaaatta agaatgttnt cntcacttaa taagaatgtt ctcattatta aacaataggc 300
aatcaaaca aactactaaa gtggcaatgc tgggatttt gagttccgcc ccaaacttga 360
aaataaagta aacagccctc aaactttgaa ataaatggat nccccgtga aattaatttg 420
cctatncaaa aaacgaatn ncccaaccn tccaccctcc gaagggnntt ttccccact 480
ttatccancc tttcgggcaa aatgggtacc nttaat 518

<210> 9796

<211> 555

<212> DNA

<213> Homo sapiens

<400> 9796

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cataatggaa attaaaccaa atcaataaac caaagagaaa gaaaacttaa ttttctctag 120

tatccatact taaaccatct ttgtaagtat ctgatgtccc aaccatgtct tatgtagaaa	180
gtataatcgt ttcaaagtgt tcacttgcag gtttaatttc tcattttcaa tttttatgaa	240
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ttgcagggtg gtattttctt ccctctgac tgaatcagct gagctgctga gcagacatat	480
tactgggtgt gatagtaana ctgctgtggg ggctgangga angggtatna agctgctggg	540
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<210> 9797

<211> 434

<212> DNA

<213> Homo sapiens

<400> 9797

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gtatatactg tgattttact ttcctgaagg ggcaaagaat gaanaattaa cagcaatcag	180
caagaaactg gtttctctct tactgacaac tctctactc caanacagcc ttccatgggt	240
gtaactaatg ctgttagtca atattacagt ttgccccctt ctggggatgt gacaggattg	300
caatttctgt cctctctgtg gttaaaaagg gtttctgtta caattcctgg ccatacanta	360
tgantaatgt gccaaaaaat gggtanctcc attaacttgg gatccnnaat gtggagaagt	420
tatanttatg ttna	434

<210> 9798

<211> 593

<212> DNA

<213> Homo sapiens

<400> 9798

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cttgtgggaa cagaaaggaa actataatac ttccttttca tctcctcaac cactcatana	180
tggcctggct attgagtcaa attatttatt caggatgtca tcaattctct gtanatgata	240
tgccaaggca aacagcanaa atcacttcta aattctgaca gaantccaga ttttgccctt	300
cacatatgcc agtgcctccc aagtaaaaat gggctctaca ctgggctaga cactcnccag	360
aangggatgc ccacgccana canctgctcc acttgacgac cttcctctgg cttcttacac	420
ccattacant gaaaanggtg cgggacccat acaaccagn caggaagaat gacaggcttt	480
gcaaaccggt ggtcaaaata aaancncctc cacancgggg caaanatggc cttgacccaa	540
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<210> 9799

<211> 588

<212> DNA

<213> Homo sapiens

<400> 9799

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gtattctatt gtagttttca tganaagget tttcctattc accaaattga ctcggttcct	180
tgtcagtatg aataatgacc caaggtttac tggggatggt gacaatgtag gaagggtccc	240
tcgcctcatt cagtgccttc tcagaggccc tctccanaac agccatgtgt gacattctga	300
tgtggtcatt tctatttaca ataataatac tatttttctg ctgcatgcgt ncaacantgt	360
tcaatccaga acccaccccc cagggggggt tntcacact gtttctctca accgtggctg	420
ctctgataaa cactgaaaca ctgatttctg aacaaaacct tcccccaaa atccccccct	480
tgttnggggt tgtcnccatt atttnttgc cnattttat ccaattggaa cctttgctaa	540
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<210> 9800

<211> 416

<212> DNA

<213> Homo sapiens

<400> 9800

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 gtgggcagga nacttcattt ttaccacgt aagtctcttt ataggcctgc tcatagcatg 180
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 aanagggt caagtaaaan ctgcagtgc tttataacc taatcttgga agtggcatgc 300
 catcattct gccatattct attggtcaca aanacaactt tggtagattg tgggagggga 360
 cacacacaga atgtntacac caaganacan ggatcntttt ancanctgta ttattt 416

<210> 9801

<211> 402

<212> DNA

<213> Homo sapiens

<400> 9801

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 tctttcncaa tatatatata tatatatata ttttncncca tttcctcctn atggaanccc 360
 naaaaccagg aagaaccncc cgttttgaaa aaaaaaatgt tt 402

<210> 9802

<211> 502

<212> DNA

<213> Homo sapiens

<400> 9802

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aagcaatatt tccatgcact cacaccagat catttctgaa atatgcaaac tcttaaaatt  180
catgttagta aaactttaat gtattcataa tacttgctat gtttattaga agatgggtcaa  240
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ctgtcccttg ctgaattcnt cncacaaga aaaacacaaa tagtttaatg cttttgcact  420
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<210> 9803

<211> 608

<212> DNA

<213> Homo sapiens

<400> 9803

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agggcncgac aatagttcag acatttgtca gtagctatga agccactttt aacatggaat  180
gaatatccct ttactccaac tcttggtctt attacatttt taaatcaaat cagcgtgctg  240
gaaatagaga aaaattccca aagggaata taaaataatt ttaagcattt tcagaaatac  300
aagttacact taagaaactt gtattaaagg atgttaatct gagataaaca gaaacaaaac  360
gttttgcaaa gcactacttt ttgcatctgt ttgaggatac acagtttgca gctctcctgc  420
cagaagcaaa atactgactc tagcacagca gaaaaggctc nactttaaga aaaaaatgan  480

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tggtcgcttt ccatgactga acataacata ttaaacttta agaattttta caatgccaat 540
taccaccata gtanaaaata ctccttttan aatacaaaan tcnctttnt ttncccttaa 600
aaatctcc 608

<210> 9804

<211> 588

<212> DNA

<213> Homo sapiens

○ <400> 9804

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agcatatgcc accacacccg gctaattttc ttgattttct tttcttcctt tttttttttt 180
tagtananat ganacctcac cctgttgccc aggctgggcc cgaactcctg agctcaagtg 240
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tgaatgtttg tcccctccta aacttatatg ttggagattt aatcaccaat gcaacagttt 480
tggggaaggg angcctaata ggaagtgtta ggtcatgaag ggctttaacc ttggtgantg 540
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<210> 9805

<211> 542

<212> DNA

<213> Homo sapiens

<400> 9805

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tttggggcag gatatgatct taagantcta aacattcaag anacgagggc aagaaagcca 180
 gtcacatgtn gaataccaag tccaaggcac gcgtcctgcg gtcaggacag tgttctaggt 240
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 tt 542

<210> 9806

<211> 577

<212> DNA

<213> Homo sapiens

<400> 9806

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<210> 9807

<211> 610

<212> DNA

<213> Homo sapiens

<400> 9807

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caaccactac tttcactgct tcctataaat ttgatacat tgtattttca tttttattta 180
gttcaaaaaca ttttaaaatt tctgttcaga ctctctcttt gacctatctg gtatctanaa 240
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gcaacctctg tgggtggaac caggatgaaa ntatatgcat ctgtgaaaaa ctggccttcc 480
atctgttttc tgatgcaacc aaaatgcttc agggctcgtc ttatctggaa ggttgaatgg 540
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gnantctttt 610

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<210> 9808

<211> 583

<212> DNA

<213> Homo sapiens

<400> 9808

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agtggctgca naacgggtga nanttagcc cccacctctc cactggaacc tantgacccc 420
atgcanataa caacctgccc aactcttcac cctgacctgg catcatattt atctataact 480

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<210> 9809

<211> 602

<212> DNA

<213> Homo sapiens

<400> 9809

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gatatttga anccactcc ctttanaatc cctcctctt ttaaaaacat aatgtttaat 540
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<210> 9810

<211> 605

<212> DNA

<213> Homo sapiens

<400> 9810

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 aaaaa 605

<210> 9811

<211> 609

<212> DNA

<213> Homo sapiens

<400> 9811

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 gttgttcaat cgactgatga aaaaacaagc tcntattcaa aaaaactttc aaaacacacc 540
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<210> 9812

<211> 468

<212> DNA

<213> Homo sapiens

<400> 9812

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ttgcgtnncc gcagaaactg ttctttgtag cccaaaatgc agccatcttc ataatcttca 360
nggtctgtgg agtgtgccaan ccataatgta tagtccttct cttccctaaa ngananacac 420
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<210> 9813

<211> 576

<212> DNA

<213> Homo sapiens

<400> 9813

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576

<210> 9814

<211> 532

<212> DNA

<213> Homo sapiens

<400> 9814

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<210> 9815

<211> 537

<212> DNA

<213> Homo sapiens

<400> 9815

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 caccttcctt tggccaaatt ctnaataccc tgaactggcc tttccangcc cgcgggtgga 480

atcaattttc cctgntcttn ggggaaaaac ccccnntgga tggacnccaa aaaggaa 537

<210> 9816

<211> 573

<212> DNA

<213> Homo sapiens

<400> 9816

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 ccgaatctan ntaattcctg tctccgccaan ctttn 575

<210> 9818

<211> 571

<212> DNA

<213> Homo sapiens

<400> 9818

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 gccagtggan tctctccaag tgacctctca gcaattgcaa ctaccataaa accaggactt 180
 gctttaagcc tgggagtggg cttatcattt agcttacagc tggtaggaca gttaaaaaag 240
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 gtagaatttc cttttttagt tcttttgatt tctggaggtc actgtctgtt ggcattagtt 360
 caaggagtgt cagattttct gcttcttgga aagtcitttg acatagcacc angtgacatg 420
 cttgacaagg taattaagaa ttaaattctc ccaccccttt tgttatgttg tccattccac 480
 taanttacaa taaaatttct nccccatccc ctaatnttct naatttttct tataactgaa 540
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<210> 9819

<211> 586

<212> DNA

<213> Homo sapiens

<400> 9819

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taaaaaaatg gagcatcaaa atattttatt tcaaatttat tttatgccag atccaagctg 240
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acacaaagat ttcacaaaac tataactaat acagaaagat gtgtgaaaac attaaggggc 480
ttccaaantt taaggttgga aatttggcna aaatatting gcttataatn tttgggcanc 540
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<210> 9820

<211> 569

<212> DNA

<213> Homo sapiens

<400> 9820

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anagggattg ctgatctgct aagagaaata attaaaaaaa aaaaaaacia aaaaaaagga 180
caaccataca ttttggtagt cttttaaaaa aagctactac aaagatatca ataaccatcc 240
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ctttaaaaac tcctcccacc tctcctgctc catttnatgg aatgggcagg ctggattcaa 480

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<210> 9821

<211> 575

<212> DNA

<213> Homo sapiens

<400> 9821

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 aattaattat aaatgaacaa tttcagcata taaaccaaca agtcttttct agatttttaa 180
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 taagccgtgg aaaattttac tttcaaaatg canaa 575

<210> 9822

<211> 458

<212> DNA

<213> Homo sapiens

<400> 9822

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tcctccccna nccctgaaag tggagtaaag atgtttggcc caaaaaaggc tggggtgcaa 240
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tcctctgggac accccaccg aacangcaca ggggccacgg ggcacaaacc cactgaaagt 360
nccgtctcca ccaccanaa gctttattta caantnaaca cactggtctc tgtnaactgg 420
aatcctgaag catccacac cnaaaactna aaaaaagt 458

<210> 9823

<211> 505

<212> DNA

<213> Homo sapiens

<400> 9823

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<210> 9824

<211> 538

<212> DNA

<213> Homo sapiens

<400> 9824

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<210> 9825

<211> 557

<212> DNA

<213> Homo sapiens

<400> 9825

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 aataatcnaa aagtgactgt ntanantat taaatgcaat cntcctntt tctgcccgtt 540
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<210> 9826

<211> 546

<212> DNA

<213> Homo sapiens

<400> 9826

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<210> 9827

<211> 448

<212> DNA

<213> Homo sapiens

<400> 9827

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<210> 9828

<211> 481

<212> DNA

<213> Homo sapiens.

<400> 9828

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<210> 9829

<211> 534

<212> DNA

<213> Homo sapiens

<400> 9829

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gcagcaggga tgggaagcag aaganatgca ttctggatag ggacctcacc ccagagcctc 180
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aaaagggcag gccacctggc actggggcag actacacana atgcatctga ctctgcttc 480
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<210> 9830

<211> 537

<212> DNA

<213> Homo sapiens

<400> 9830

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<210> 9831

<211> 548

<212> DNA

<213> Homo sapiens

<400> 9831

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 aactganaat cataaaaccc attaagaatt cataatcaca gcagaagcat atctatccat 360
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<210> 9832

<211> 581

<212> DNA

<213> Homo sapiens

<400> 9832

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 ggagtattac atgtttattc aggatggacc acttttctta gcaacagttt ctaaaccctt 420
 gccangtctg ggaaatctgg gcaggaaaaa ttctaanaaa caatcatcct gcacacactt 480
 cctgaaaaan aatatacatt aatcccnat tatccctcc caaggttttg ttggcccat 540
 ccatanttcc accatctttt ttggnaaanc cccatttttt n 581

<210> 9833

<211> 462

<212> DNA

<213> Homo sapiens

<400> 9833

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tagactaagg gagtagccag tgcattcccag gagcaggaca gaattctctga cccctgaccc	180
ctagcccagt gctccttcca ccaccctgg ctgctccttc atggaccaat gaggtgacag	240
aggcagggcc tagttcacag gctgacaaga atctgcggat gtcctcagat gtcccacaag	300
gtctcctcct gcagacgccc aaccagacc ttgtctgctg caatatcact accagtgttt	360
gcagacctcc agagacagga gtctcaccac ctgcgaaggc agctactcca tcctgaccct	420
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<210> 9834

<211> 454

<212> DNA

<213> Homo sapiens

<400> 9834

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tgaccagcaa ttccacccaa gagaatcaaa aacatctatc cacacataaa tttgtacaca	180
aatgatcatg gtagcattat ttatcataga caaaaatgaa cagaacctag atgtccatca	240
gctgatgaat ggataaagaa acatggcata tcatacaatg gagtaatttc ggccataaaa	300
agaaatgaag tagtactgat acatgctata tcatgaatga accttgaaaa catgctaata	360
naangaagaa gcaganaggg ccacntattg tatgattcca ttacataaa attcccccat	420
ccntagagac agaaaacaga ttantgttta ncgc	454

<210> 9835

<211> 374

<212> DNA

<213> Homo sapiens

<400> 9835

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gcttttctgc taaaatgctt tgctgangtg gaaatganga nggtgaaaca ntgggcgggc	180
atttgtttta caaaggctct acctaggctg taccatctgg tgaagtgctt gtaactttta	240
aggtggaaac natgccattt ttcctttatt ctcccgctcg taagaccana aagcaattgg	300
angatcctcc aataccangg anaaaccang ttccaacaaa aattttttng tnggaagggg	360
aatcaaacc aaac	374

<210> 9836

<211> 558

<212> DNA

<213> Homo sapiens

<400> 9836

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aaactaagca ggacaggcaa gaaagcaaca ctatgacagt aaaaacaata tggatttcac	180
ttttgtttcc tttaaagggg aaagtgttct taataattac tgttggtca cagaactaaa	240
gaaagtatat tagaacctca gtattcttaa caatgatctc tattggttgt tatttgtcta	300
agaagtgata agccatataa ttacagaaa gcaagtcact gaatccttca aaaaacacaa	360
cctggcaatg ttatcttcaa tgcaaaataa tgaagtggca ggancgtgat gaaaaaaca	420
gtcttcgaaa acatcatgtn agggaaccan ctgtgcttgt atagtctcta acttggtata	480
naaatcaaac aactccctgt gactgaattc cccaanaact tcccnagcn ccttgaatct	540
ccttgntccc ncccaant	558

<210> 9837

<211> 418

<212> DNA

<213> Homo sapiens

<400> 9837

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ggggatgggg agtccagatt ccttctctga tgaggcaaaa aaagaatcaa gactcctgtt 120
caagtaaagg gcagagggtg agagctagta ctcttattct agaaaggaag tagatacttt 180
tctttgataa aggaatgaac ggtagactcc tagtttgag aaaaggtggg aaagatgtga 240
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gggccagggc tcctatTTTT ttgctgagga gatggaagat cagggttgt attcaataag 360
aatgggaggg gccagggatg cctggcaaaa gccttgcaact gtgaggtgca gnnnnnnn 418
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<210> 9838

<211> 592

<212> DNA

<213> Homo sapiens

<400> 9838

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ccaagtaact gggactgcag gcacacacca ccatgcccg ctaattcttt gtattttagt 180
aanacaggg tttcaccocg ttgccaggc tggctcaaa ctctgangt caggcaatcc 240
accgcctcc caaagtgtg ggattacagg cgtgagccac tgcaccagc caaaaaagtt 300
tatctttcat gtttcagata aagccattgc tctaataata ataaaatatg atatgcaaac 360
aaagtacat tggatgaatc gtaccacca aaaaatagca cttaaaatat gttttgcata 420
ngttttcag tgatctgatt tcaantatga tgaaagttaa tggaatagga aattatgaaa 480
ctatactctc ntatatattt aaatgccatg cnaaatttta aatttcctaa ggaattattt 540
aatgatccca cntgattgcc aatccctaaa attaccgaat ttattcaaaa gt 592
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<210> 9839

<211> 593

<212> DNA

<213> Homo sapiens

<400> 9839

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tgatacagaa agtcaaaaac cacatgttct cgtaagtggg agataaacia tgtgtacacc  120
tggacgtgga gaggagantc atagacacta gagccttcna aggtgggagt ggggtgagag  180
atgggaaagt atttactagg tacaatgtat actatttggg tgagggtata ctaagcccag  240
atttcaccac tatgcaatat atccctgtaa taaaagtgc ataatccat aaaaattaca  300
aaaagttgct caaaaaagat tggtagtcag aantgaatt ctagatgtgc tttttcaact  360
atctcatttt gtaaatgtag tgtatgaatc ccaaattta acaatagaca atttttaaaa  420
taccactgc ccaaattaaa anaaaccgcc ttttaaatat cccatttttt ngccacttgg  480
gnccccacc tgaatttcca anggattatt ggttcccnc cccnttaat gtttggtcct  540
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<210> 9840

<211> 593

<212> DNA

<213> Homo sapiens

<400> 9840

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ctgggtgtag cactgaaagt ctacatgcc aggaaaacct catcttaggc aaactggagt  180
ggttgatcac acaacaaaag atgattcttt ttgactcaat cctggacctt ctcatctctc  240
tgcggtttta agtaccatct gtatggatgg ctggtgtatt ttgtttcctg ctttgacatt  300
tcttttaagc tttggattca aaataagttt tgcaccttat ttttaatgcc tatcttatat  360

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tccttactgc ataaatcaga anaatctcaa tattaaataa tctaaatatac aaaacttcat 420
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 ccaaccaatt gctaaactcc aaaccctgga aaaaaggttn gggatttcct ccttatnccc 540
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<210> 9841

<211> 581

<212> DNA

<213> Homo sapiens

<400> 9841

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 aaaaatgtatg caaaagtcct cctcccattt acaaaagatt gagaattttg tttttcctgg 240
 cagcaagtga aatattgaag tatcaatatt ttacaccct ttagatctga agacattaag 300
 ttagtcacag atttgttttg caattatgaa ttttaaaaca tttttgtgct atttcaagga 360
 tacactantt ctttcttaaa ggcagtagca taaaatgaat atggaaaaca gcagaactcn 420
 cnaaaatatt tgggtgtaca atccttttgt ttcatactga atatncctt aatcagggga 480
 gaaaacacta acaatttccc tataccttga cggatncaaa attactgtga tcagccatta 540
 ctgaagatca ccnctntacc atccgccnt tgttttccga n 581

<210> 9842

<211> 588

<212> DNA

<213> Homo sapiens

<400> 9842

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 agaaaagtaa aaatatgcac taacaaggca ganaanacgt tacaaggtat ttgatgctga 180
 naataaatgc acagtgactt ttaacatggc tatagcttaa cactggagga atacaacaat 240
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 aacaaaatgc ctgggaaaac nttccttttc ctgtggccct aaaaccggtg tccacgggtg 420
 gggggctctc tcacggtttc tgaaccaca gtacaatctg tngatnacac acaccttgtt 480
 ctgtttaatg cncatntttc ccaaaaggaa aaaaaaactt cctttccanc tctccaaaat 540
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<210> 9843

<211> 586

<212> DNA

<213> Homo sapiens

<400> 9843

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 attatttatt tttgatccta ctactgtcc caagtccana ngcagttaca aaaaacactc 180
 ttgatgcaaa ccgtgagtgg ctacaacaca cggatggggg tgggcgcgat tcccacaaca 240
 gggagtggaa tccgggaaaa taatatatag gggcaanacn ccccttact tgctaaaant 300
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 actacttget cttaacatta attncgtatt tcccncaaa tatctgacct gatttaaac 420
 attttgttt gcatacatct tttgtnttg ccccttatat tttccnnet gatttnggga 480
 taaaaattta atttctgcct aaaaaaaaaa ccttttactc ttttaaaaa naacctccct 540
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<210> 9844

<211> 579

<212> DNA

<213> Homo sapiens

<400> 9844

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actccaaaac agttcttctg ggaagcaggg ttttagtttt actgaacatg aataaaaaat 120
ccaggcagaa ttcaaaacca gggggaaaga gtcaaggaag caaacttgct tttcagaagc 180
aagatattta taaacagtaa tagctgagaa tcatataatt tgtttctgaa aattaccttt 240
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tcaaataact tgatgcaata aataatcatg gaatactcat tgtccaaata taacagatag 360
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tgaagcanaa actgtgttgt tgactatggc agtcccgtgc ctacatgat acctgaaatg 480
antcncacca acantgactt ttgaaaaaga ataaagaagg attgaagacc aatTTTTTaa 540
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<210> 9845

<211> 583

<212> DNA

<213> Homo sapiens

<400> 9845

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gcttggttgg gcactcttcg ttttatagta tgcctgggat acagcacatc tgtgagacaa 180
gaaaggctaa actagagctc tgcttcttct aatcctgcat taciaattta ataataaagt 240
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gaaaagcagc acgaatactc ttcatcttgg ttttgacaca aattccttaa aaaaaaatta 420
aggccattta attgaatcag ggccactgaa nattaacctg gcaaaagtca actactgatt 480

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taanaatttt gaaaaaaaac caaagttggt gtctgtttt tctccctggt acttgaaaac 540
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<210> 9846

<211> 586

<212> DNA

<213> Homo sapiens

<400> 9846

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gtaattttat gcagaagatg tnacactttg ttgtanaca gcatggatg catttctcag 180
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ncaatgtntg ttgttgcaat gcccttctat ancagggctg ttctganact cccattactg 480
gccantgttn gcaaaaaact gcccccaacc cntgaaaaa ggcggcantt tatccctcc 540
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<210> 9847

<211> 490

<212> DNA

<213> Homo sapiens

<400> 9847

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aaggnttcct ggttttggaa atttcnacc ttttggcann ggttttcccc cccctccatg	420
gaattaatct accttnggtc tttaatgccg ggtgaacctc ccgaatgggg ttingttttg	480
naaattccnn	490

<210> 9848

<211> 310

<212> DNA

<213> Homo sapiens

<400> 9848

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aagatagtga ctggtatgaa aggagaggga agagggtgac agatggaaac gattgctgta	180
ggacagtcca tctggccaga tgcggtgggg gaggggagaa aaantgggag ananatggtc	240
ctacanatgc tccntgggt aaatgatggg tgcacccctc cctgcantcn ggctgtgcct	300
gtacttcaca	310

<210> 9849

<211> 543

<212> DNA

<213> Homo sapiens

<400> 9849

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aacactgtgc tgcattataa acagganang gaagaatcca gtgaanaacc cttaaagtga	180

atgtcgtcag ctaacatagg catctcatcc aaagaagact tcaacagagc agttgtttga	240
gttttcaatc atcagtattc tgagaacttc aagtgtgtat tattagtgtc aatgctatcc	300
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gggtgtctnt taaaaaacga atggctaacn tcccccentt caatnttten cccccctttt	540
cna	543

<210> 9850

<211> 530

<212> DNA

<213> Homo sapiens

<400> 9850

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aaaaatattt aantnccaaa tcaaaacact ggtttttaat ggtggtttat ancataataa	180
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acanaaatac tggaaccct caaaatcaaa tantaatttc aaacaacatt aattccaaat	480
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<210> 9851

<211> 493

<212> DNA

<213> Homo sapiens

<400> 9851

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gggcaggctg cagggctggt ggctcagggc tcagggggcc ccaactctct gtgctgctct	180
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ncaaccacn tnc	493

<210> 9852

<211> 597

<212> DNA

<213> Homo sapiens

<400> 9852

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ggcactacaa gtaaacagat gaaaatattg cccattttca tgcacaggta ttcagctata	180
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ctctctctcc aggtacattt ctcatattat taatgaaaat gcctacnaac accaacacca	540
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<210> 9853

<211> 582

<212> DNA

<213> Homo sapiens

<400> 9853

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aaaacatctc ttgcttggca ggtggaatat agcaattttg gatttttaat catgcatggg 540
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<210> 9854

<211> 547

<212> DNA

<213> Homo sapiens

<400> 9854

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caccacactg agatctctcc cttgatttat cagtctctc agtactgctt tcatccgatt 180
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actttctact tttcaactgc ccagagtagc ccatagccaa tgcatataga tctggcctct 360
tctcttttct ttcttggcag attttgtgta ctcttcttct caaagcttga cccagattca 420

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aaacttttgg gtaccaagga agtatttttg ttanacacaa caagatatcc tgatgtnagt 480
 atattcccct gtttccangn aatgttncga agccttggtt agtttggtat gccattatnt 540
 tcnacat 547

<210> 9855

<211> 580

<212> DNA

<213> Homo sapiens

<400> 9855

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 actgagagtg taaactgttg actttgggtg ataatagagac attgatgtag gttcatcgat 180
 tgtaacaaat acaccactgt ggcgtaagat gtcaatagtg ggggcactct gtactttctg 240
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 aaaatggaaa aacagtaata acaaataccc ctggaaacca tttttccaaa aataatttgt 360
 gtcatcttgc ctgaagaaaa agaataatga aaaaataatt tctaaaattc tgtttcttta 420
 taccaaaatc acgggacctt gaatatctta acaagtccta attattgctg aagaacagga 480
 atcactactc cgaaanatgt nacaagaac ccctccctac catattaacc cgcccccccc 540
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<210> 9856

<211> 473

<212> DNA

<213> Homo sapiens

<400> 9856

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tccaaaatan ctgggactat aggcattgctt caccatgcct ggctaatttt ttttttttta	180
aatagggaca tgatcatgct atgttgacca ggcaggcttg gaactcctag gctcaagcaa	240
tcttcccact ttagcctccc aaaatgctgg gatcacaggc ttgaatcact gtgcccagcg	300
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ganaccttct gttttctcag ttaancangg aaagtgtntn aaaggtgaaa tgcangtttt	360
caactgtcat ctgaaaaaat caaaancaaa tctgctaaaa aaacatacaa aaatgggtag	420
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<210> 9857

<211> 470

<212> DNA

<213> Homo sapiens

<400> 9857

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gccacttctg cttctacact gcactgacac tgcagcaatg tacctccttc tacacccgct	120
cagcaaaaagc gtgtgttttg ggggtggggag ggagtaaggg aggaggaaat gttgtttggc	180
ctttctctan ctattttacg ttaaaccagga ctcggtacag actttaaaaa gttatttcaa	240
aaaggtctga ctttagtaat gcactgtatt taaaggaatg catccaaatg actaagtcct	300
aactcactta actctttcca accctccgaa nataaacaac agttgaactt aattacaana	360
aaacggatgc taatattctg cttggaatta aatcccttct caatanaaaa gtgttgccna	420
ccattatttc tccccgcanc tgtcncntta aagcaaaacn tttaaaanac	470

<210> 9858

<211> 575

<212> DNA

<213> Homo sapiens

<400> 9858

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 gaanaaaaaat aacatcaatg atgaccctac agtatattta gtaaaagtga naatgaattt 480
 ttttgttgtt caaanaaga anctactttt ttgaaacaga caagccaanc cgaaactgaa 540
 nccganaaaa acatgctttt ataccaaaan cnaaa 575

<210> 9859

<211> 595

<212> DNA

<213> Homo sapiens

<400> 9859

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 cacattctct tgatggaaaa aagttttgtc aacgatattt tcaatctgct ttgctttttt 180
 atttctgcct agctgcattt ttatttcac actgttcatt ttgttctcta ggantcgctg 240
 gtgttgatgc tgaaaagtta caggatctct tccagganga ggatggcagt acagcagctt 300
 accactgaca tantccttca ggatgtancg cgcanatga ngctgggtctg gctgtccatg 360
 cgctgtcatg aatcctcgca tgtatccata agctgtcaac agttcttccg atnttgaag 420
 tcgggtgggga tcttcatcct ctctangcgt tatgatgtta atgccataag tacttctaaa 480
 acatgtcttg gaatattctg gcaactaatg atacaggaag aacataatct ctctctgaa 540
 tcaattggga agaatcccc tgccaattcn ttcttncctn ggtaaaaaan aaaaa 595

<210> 9860

<211> 583

<212> DNA

<213> Homo sapiens

<400> 9860

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accananaat gtgttcatac acgttacagg accattcaca aananagtgt acaatttgct 180
ctaaacagtc aggatttgat aaatcanaaa attattatcc ctcagtactg caccagctct 240
cagtaaatat ttacaacatg gtganaaggg gtcagctgta ctttctttat aattctatga 300
agtactcana cttacaaata ttcagaacta gttaaanact ctcccntgat aatctggcaa 360
aataaaacaa gtancctaatt tttgcaaagg tctcggtgga ttttggtgtn tgctacatcc 420
atgatcaaat ccaaacactc ctanggtggg ctggataant ttttggtagc ctgcttcatt 480
atcggaattt ggtaataanc cttaccaaca aaatacanct cttcacatca tcattctcac 540
tggtcatgga tcatgatccc cctgaatgaa aatggaaaaa aat 583

<210> 9861

<211> 589

<212> DNA

<213> Homo sapiens

<400> 9861

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aaagtattat gtataatatt ataatggtaa atatgtgata tgaatttggt gaaatcaaca 180
gaatatacag cataaagggt taattccaat tcacaaaaat ataaataaat aggagattag 240
gaattccagg atagaatgca gacaatatag aaaatatcta atgtcattac aaatgtatga 300
aatcagaana ngtgccaaagt gacctcagaa atagtgtagt caataaaaga ataaagaaag 360
tgcacgtcag aactgtaccc cagctgatga tgttcctcca aagagcaaaa catacacaat 420
ctgggtccac tctacagaaa tcctggaact ggactacaaa gggaataaac agggttgtgg 480

cnggaagggg gtcncnccg ttggattgca aggttaggga caggaataaa aggccggtat 540
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<210> 9862

<211> 591

<212> DNA

<213> Homo sapiens

<400> 9862

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cccttacagt tcagtattat ccttggttta cagatgaaga aaagccaaag agaagttata 180
taactggcaa gtttctctgg ctccccgcct gcaccactgc tcgccagatt gcatgaagag 240
ggaggcagct gtaacacctc atcccgttga tctccangga actcanatac ttgtttccac 300
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gaaatgccat tggatacata ttctaattct tcaggtataa aggacagtca nactgcctca 420
tctgttcac ccaaggatct ganaacanac attcctccag tnttgaacat ccacatcctt 480
atnggaaaat ggtccaaaaa aanaatggcc ccnnttttaa aanattttt ttagggccga 540
atntttttta aactaatntt cccaaaattt tttancnttt ttatgcccc c 591

<210> 9863

<211> 524

<212> DNA

<213> Homo sapiens

<400> 9863

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caagtagcag tttgaattat aatgacaatt ctttaggatt ttatgtagct tgcattttta 120
acatttaaat atattgttct aggaattggn tgataaaact agaaaataaa gagaaattat 180

gatcaccatg tgttcactct tcagactttg atctatgaat cagctcactg agagagatac 240
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 cttgcagttg aaacataaat gctataaaaa ttaatcccc tagcactacc gctgttgcca 360

cggcaataaa cgtgtgtcct ggggaatggc aatgggtgcct catcaacata aatctgaaat 420
 tctcaattaa gttacaaaaa nttctcctga aatgacggnc cctctaaant ggaaaagtgc 480
 aaanccttta tgcttaantt ganacctgaa ggattatacc tgcn 524

<210> 9864

<211> 519

<212> DNA

<213> Homo sapiens

<400> 9864

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 catctcctgc ccagatccca ggggtggcctt cctgaaatga acgctccatc tgaattttct 180
 tctccccctgt ctctcaagan aatgcccagg ctcttaacca tgtctcanac tgccctgcac 240
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 gtttgtgaac ctcanagta ttcatgttcc aaagtcgcan cactctggaa ccgcctcccc 420
 aagctgctgt gggctcttgc tgggtcccc naatgttcaa gtctgtctcc cccangggcc 480
 caatnccact ccanaatntg ttttctcccc ccannacta 519

<210> 9865

<211> 433

<212> DNA

<213> Homo sapiens

<400> 9865

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 tgaggtaggt agggtaggaa ggtttcagag atccccattt atagatgagg atgctgaggc 120
 acagagaggt gaagtgactt gtccaaggtc atacaaccag cagtgtagag ggctcaaagc 180
 cagcattcct ccacttgaac tctgcgctc cggccctctg gcagttccca catcctctct 240
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 cctggcagct gagatttttc aggaatggca actggggtag gcctgggtcaa ctccagatag 360
 gagctgancc tgaagagcat ggggccagct ttgcttctcc ccattcccat tgggatgaag 420
 ggcctatnnn nnn 433

<210> 9866

<211> 532

<212> DNA

<213> Homo sapiens

<400> 9866

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 ctgggctgtc ccacaggcag ctctctanaa cttgagagcc tcaaaagggg cctcatgaag 180
 cccaaatctt ccctggtcag ctgatggcat tcgtataact gaaagtggg gaagaccacc 240
 angtcngtgg agtggagagg tttgtatat ggtcttcttt gaaaaaactt acttcttgca 300
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 tggangtcta ctccccctc nctgaatttt gttcctgaaa tcanaaaccc cggcccaccc 420
 aattccacag gccaatccac ntccagccn cccttgntcc ccccantgaa ccccttten 480
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<210> 9867

<211> 576

<212> DNA

<213> Homo sapiens

<400> 9867

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tcaagaatca aaacatgttc tggtaaacad tccataatcc ggtaaaatgt tttcacccat	180
cactgttaag agaaactgtg tatttaatac tatcaataac aaaacctaata ctttgaacat	240
tataaaatgg tttacggaat ataaactata cagtttagtt tttcattcct cctagcaatc	300
cgtgtcacat gtatactagt cctaagangt attttgtcag tattagccca aaangtcccc	360
caccccaaata naaccagttt acacatatct cccccagttt taagggtggg gatgtgttga	420
aacccatata ttacaacatc ctttttccaa actaacctaa tcctaattcc tatectacta	480
atccggggng cccccattta tctcccgtct acccttcctt naaatccnng gngggttccc	540
cttaaaaaat ccgccgatcc cntttaana taattt	576

<210> 9868

<211> 505

<212> DNA

<213> Homo sapiens

<400> 9868

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caggtgcctg ccaccacgcc tggctaattt ttgtattttt ggtagagacg gggtttcacc	180
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cttcccagan ttctgggatt acaggcgtga atcacgcgc ccagcccaaa tcgccgaaat	300
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aacagatgca acatatcttg tnaatcaata tattttcaag tgaggctctc gaatcacctg	420
cactgaaatc atctgtgatg cttatcaagc atgcagatct caggancntc nctganttcn	480
taaatctcnt ctctggangt taaaa	505

<210> 9869

<211> 596

<212> DNA

<213> Homo sapiens

<400> 9869

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caaaggcaaa taaaataagt ttattgggat gtaaccccat cataaattga ggagcatcca   60
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gtgccttaag ttaaccaagc attttgataa cacattcaaa tttaatatat aaaaatagat  180
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caciaagaac tacaaaaagt tacaaagaca gccttcagga accacactta ggaaaagtga  300
gccgagcagc cttcacgcaa agcctccttc aaagaagtct cacaaagact ccagaaccag  360
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ggttctgctt gctgaccacc ancttctgat gctgatgcga tatgttncct ttgacgtgtc  480
catgtttatc cagtttagccn gaatactga acttntcca tttcncgtcc cccccgctn   540
aaattccagg ggnncccaaa aactcccaaa aacctnggt ttttccctt acaatt      596

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<210> 9870

<211> 579

<212> DNA

<213> Homo sapiens

<400> 9870

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taaaaggcta tgtctcttca tgcatttatt tttgttagaa aaatgtccca tgggtctatc  180
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atgaatcaaa aaggagttaa ggaattttaa gccataaggt ttcaattata gcttaccaat  300
tatgtaatta gctgacaaaa atcaagtctg atgtagaata gctgtcatct acttaactgc  360

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agataatcat ggcattttca ttttaagatga tctgaactta tgaaataaag gatccagtcc 420
 caagaactca ataattctctt atgttttctt ttgnaagact tatttcaaatt attaactatt 480
 tcggtgcctg aatggaaaaa tataaacatt aactcnaaaa naatgttgta ccggtttgga 540
 atccactngn actttaaccn cngtgnaaaa accgaaagg 579

<210> 9871

<211> 594

<212> DNA

<213> Homo sapiens

<400> 9871

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 atttcataac gggtaacaga accattctct tgggtaaacc ataagcangg gcanctgtgc 480
 tgtaaccata tgggttttcc ataccctgna actatttncc agaacaactg tccccacaa 540
 aannccccct gttnaaattc ccccccccg ccccaaaact ngnatggtgc aaan 594

<210> 9872

<211> 479

<212> DNA

<213> Homo sapiens

<400> 9872

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 tgcanatgac atccataatg agtctcttaa atgaagggtt ggcaangcaat acaggtcttt 420
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<210> 9873

<211> 551

<212> DNA

<213> Homo sapiens

<400> 9873

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<210> 9874

<211> 530

<212> DNA

<213> Homo sapiens

<400> 9874

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atacaattta aaaaaactta tggggaaaca cagcttatgt tttttctcc tctttacagg	180
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tgacaaatat taaacattat atacncnatg aggtaaatgt tccttggtct cttganaagt	480
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<210> 9875

<211> 475

<212> DNA

<213> Homo sapiens

<400> 9875

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tgtacatcat ctccaatcca tattcatcag gancgccctg gggcttgtca tcctgctggc	180
acggggccag gtttcanggc ctggcggaaa aaagtctgta ngctttggga cttggtgtct	240
ggcccntga natnanatta gttctccnat aacctgaatg cctcttgggg aggcggcagc	300
acgcaggcgt ataatccctc tagacancca gatcgggcgt ggggtggantt taaacccac	360
gatgttctaa cagccacaat naaaactggg ggttngaagt tanaacctct naacnagaat	420
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<210> 9876

<211> 471

<212> DNA

<213> Homo sapiens

<400> 9876

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aagtgcccta aaactaactc taagtttttt agtcactgac attaatacta accagggttac 360
aggaattgaa gttaacatt gtacaatata agcggcaata agttactgat atctgctgac 420
aaattccnch ccaactaaat atatcctgan acntncaaaa ananatttgg t 471
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<210> 9877

<211> 560

<212> DNA

<213> Homo sapiens

<400> 9877

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ctcagcaaaa agataaatca cagtgtaaat tatgttggtc tgctgtcatc tttggctggg 180
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caggggggta tgacagcatt aacttccata aacttttata gacaaatgga aaaaaatcta 360
caaaatttgc tagtaatatt acacagcaat acacactttt tatactctac acaaaaccaa 420
aattcttggc cttaatngcg aattacaatt ctgtttgaaa atctgtttan aagaataaaa 480
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catnntaata aggngaaggc 560
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<210> 9878

<211> 582

<212> DNA

<213> Homo sapiens

<400> 9878

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cacgacaaaa ttcaaattct catgttattg ctacaagtga atgtnaatga actaatcatt 180
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aaagatcact taaattaaaa aganaaatta agttctaaaa ttaggaaaac gctggaattc 480
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<210> 9879

<211> 582

<212> DNA

<213> Homo sapiens

<400> 9879

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caaaactgtt gattacaaag aancacaatg ggtaactgt ggcaaaacat aanaaataag 240
gcaggggagg cagatacaga ctigagaaca taaggatatc caaacaattt tgtcaatatc 300

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aaaagacaaa atcaaaacat cttttataat ataaaacaaa tccatataat taaataactaa 360
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 aaatttaatg caaaacatca tgtttcaact tccacttaac atcataacat gttattcctg 480
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<210> 9880

<211> 578

<212> DNA

<213> Homo sapiens

<400> 9880

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 tattcttggt ccagatgttt tgaacagact tgaattcctc cgttacttgc aatccctata 480
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<210> 9881

<211> 588

<212> DNA

<213> Homo sapiens

<400> 9881

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 agttttaaaa atcaatctat cgaaactcaa ttccgcgatt ttcaggtgtg caaatcaaag 300
 gcttgccgc ccggaggtag ctgctccacc aggacatca ngcaggagga ggcagaaaca 360
 cctcccatgc aaacactgcc cctctgtctc tactggaggg cagcaaactc angctggccg 420
 ggctgggaag gccggtgcn aacctgcccc tctctccgcc ctcttcacct caatcctgct 480
 gtcccttctt ctctcattgc aatataaana ntgcatacac ccaaccaggg aatgaagggn 540
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<210> 9882

<211> 456

<212> DNA

<213> Homo sapiens

<400> 9882

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 ctcaaggtea taagggtgaa ccattgaaat ctaacacatt ttctaaactt ctgtcatcat 180
 ccccatcatg gtatctcaca gtccttctac cctgatttct cgttttttatt tttgaacgtc 240
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 acctagggcg tttgctttgt ctttgacgtc tcacagtttt agatatgtta gctgtaaaag 360
 ttttaccttt tctaactact tttgcttttc ctttcgtttt cncncntttg ggttttgtnt 420
 tanccgtaca ntccaaatct gaatenattt ccnaat 456

<210> 9883

<211> 509

<212> DNA

<213> Homo sapiens

<400> 9883

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cagtgtggt gtcactgggt taccccaacc atgtccggcc aaaatggcac taccagtggt	180
tagtgaacca tctaattaaa accaaaactc cccagggaa aatgctacac tatcagagtc	240
agtcttgagt cagatcttta ttggtgctc catccanata tatttttagt gctttctctt	300
tacgangtga gtatgttaca cgatgtccag tcttctggan tcgactgctt tcttttttca	360
tcagttcatt tctttgctca tctgtcaatt ccattaattc ttctgtttta tccctataaa	420
atatgaccgc cccctctcc cngatattaa gangcccaaa ntcccgggtg aaaactttan	480
gaatcccctc caaatccnga anaaaatcc	509

<210> 9884

<211> 423

<212> DNA

<213> Homo sapiens

<400> 9884

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tgttatcact ctgcagttaa ccttcaagta tttttctaca cagcacaca aaaaatatat	180
acatcttatt tttcaatctt attttttcag ttatgtagtg aaacagcttt tctggcgtag	240
agcctacgaa cttgagcgct tgtgtggatt ttgtcctcac aaccacagcc agcatacaca	300
cagctctgcc acccaaaaca ctcttcaccc tttctctggt ggtcntgcct ccccgaaacc	360
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atc	423

<210> 9885

<211> 546

<212> DNA

<213> Homo sapiens

<400> 9885

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cagctgggtct tcacagtacc tgctgggact acagttgcag aagtcattcc atcacttttc 180
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ttttcaatag gtgacttcta tttctcngt gttgggtgtg cctanggttc tgttgtgtgc 420
atttctgana tatattaaca ctccgggaaa tcttattgac aaatcccca ttacttaaac 480
attgtcantt ccnggccnaa atccctatct taactcngg tccnaancnc cactttatgg 540
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<210> 9886

<211> 557

<212> DNA

<213> Homo sapiens

<400> 9886

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gtaagccaaa agctcactgt ggaaatacac ttagcatggt tattagaaaa tcacaaagag 180
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acncttattg ttgtgtttgg gtanaataan acntncgana atatttttta aaggcctntg 420

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gaaggttcca tggaaaaatc cgaatactcc ataaccctgc cgttccaaaa ttccactgaa 480
 tgcctgttat tngggcacca acggaccctn gttggcaggt ttttttctnc aaaacaatgg 540
 ttggtntncc ncctgct 557

<210> 9887

<211> 553

<212> DNA

<213> Homo sapiens

<400> 9887

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<210> 9888

<211> 492

<212> DNA

<213> Homo sapiens

<400> 9888

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特平 1 1 - 2 4 8 0 3 6

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gtgaaacttg anaagggacc gtatgctata ntgtgttccct cacatcctgt taagtattaa 360
 gtggatattt aaaatggant tgttatcctc ttgactgact taaagtgagc catatanttt 420
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<210> 9889

<211> 441

<212> DNA

<213> Homo sapiens

<400> 9889

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 agtccecttt tcttacacca gtattcacca atcaacatcc atgcggtgtt ttatttgacc 180
 cacatcctct ttccttttct taagaaaata ttttatcaca ttcgtaaaag tatctgtgct 240
 tcaagtcagt ttgtaagtat ctgtttttta tgtgaatctg atgataacaa gagaaaaatg 300
 cttaacatta ncaggggcag cangaattga ngggtggtgt gggggacaat ggaaggaaat 360

特平 1 1 - 2 4 8 0 3 6

ctggtaaaac tgtagtttat ttatcaaaaa atgtgaattt ttattttaga aatgtaggtc 60
aagcattgtc atagttgtag tacttaattg anaataatgg nttcnatttg gaagantcna 120
tatacncatt aaacaaaatt aaacagttaa aattataatt cataataatt ataattctca 180

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tcaattaggc ccccganat ngaaaagaac ccggatnadc ctgttttttg aaggcctgaa 420
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cgggtgctatt taaggcgggt tcaaccctt ttgaaattta ccacttaaaa nttncctnt 540
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<210> 9891

<211> 522

<212> DNA

<213> Homo sapiens

<400> 9891

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<212> DNA

<213> Homo sapiens

<400> 9892

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ccttnccca atgggcaaaa ccaaaaagg gccncccaa 519

<210> 9893

<211> 568

<212> DNA

<213> Homo sapiens

nttttctgct cccccncgaa aaagggng

568

<210> 9894

<211> 589

<212> DNA

<213> Homo sapiens

<400> 9894

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<210> 9895

<211> 581

<212> DNA

<213> Homo sapiens

<400> 9895

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 ctgctaattt ctgtattttt agcaaaaaana gggttttacc atgttggcca ngctgttctt 180

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 ttttctcaac ttatcttcc aaccctctaa gaatttaata ttctgaattt ccaactcttc 420

tatgaagtgt ttcatattct aaatttctan aaactcttgt ttctgggcc tgctttttca 480
 taacancctt tcttgtttca aaaatcaata cctttattct gaaaaaacat ttactttttt 540
 acaaaacttn tccnccctg nantttttcc attccccenn c 581

<210> 9896

<211> 472

<212> DNA

<213> Homo sapiens

<400> 9896

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cctctttaga aatatcctgc ttgganaatg ttttgacaac cacccaattc tccnaaaacc	480
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cccatttgaa nccctttn	558

<210> 9898

<211> 542

<212> DNA

<213> Homo sapiens

<400> 9898

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gcatttcgcc ttgttggcca ggctggtctt gaactcctga cctcaagtga tctgccccgcc	180
ttggcctccc aaagtgctag gattacagc gtgagccacc atgcctggca tttttccata	240
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atgtcaaggt gccagcattt cttccctcaa tggcttccct ccaggtanaa aatnttcac	480
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tc	542

<210> 9899

<211> 461

<212> DNA

<213> Homo sapiens

<400> 9899

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anaganttca gaanggntag ctcccttgt tacgttttta aacatctttt tcatttggtta 180
gaanaacatt tcaaaagccc naattaaatt atcattaaaa tactttgaca ctttacaatc 240
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cncccccnch aaactaagtg ttgccaact attacccta a 461

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<210> 9900

<211> 554

<212> DNA

<213> Homo sapiens

<400> 9900

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acaacaaatt gaacaaatgc aacaaatact catttgctcc caagaaatta atctatagaa 180
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<210> 9901

<211> 437

<212> DNA

<213> Homo sapiens

<400> 9901

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agagatctga gtttgcaacc aagtncaana ngtctttaag anctcangct aagggangcc 420
tttattcnaa tgccttg 437
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<210> 9902

<211> 518

<212> DNA

<213> Homo sapiens

<400> 9902

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gcaccaaagc aaaaagcctc tgaagtcaaa acatgagaca taattccttg ctcatcgcag 180
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gcattggtaa gcaggttatg tctctaaaat tacttttcgt tcagancaga atgttgcccc 420
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atctacttga tacaatcctt tatggaccaa cncntctngt ttgaaactcc anccaggaaa 480
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<210> 9903

<211> 469

<212> DNA

<213> Homo sapiens

<400> 9903

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<210> 9904

<211> 556

<212> DNA

<213> Homo sapiens

<400> 9904

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ttctangatc cagtattggt tgnctctctg gcagtttcaa cctcaacatg gtccgggggg 480

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aaataaaaac tttttc 556

<210> 9905

<211> 509

<212> DNA

<213> Homo sapiens

<400> 9905

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gttatgtggg ancacagcct tatggcagga ggaaaatggg gaatccaagt caggtttctg 180
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aaaaacaaaa attcccatct gcttgccttt gcccantgca tgactgaatt cctcctttgg 420
ggaagaaaga aagcccctnn aaggcaaat cccctctct cccaattntt tttgnaaaaa 480
ttctttccaa gcttttnttt naaagcacn 509

<210> 9906

<211> 589

<212> DNA

<213> Homo sapiens

<400> 9906

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特平 1 1 - 2 4 8 0 3 6

aaagtatgat ctactttaca gtaagctggt tttaaaataa aaattacaga tcaatagtga	120
aggtgaggaa atttaactga naaaattttc aaaatattaa aatattcaaa aacattgaca	180
catgaataat acctatctta aagtaataat aataaatgac atgtgtatac aaacacattt	240
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aaatactgtg ccttcaagag ttagtcccat ttggaacccc tctgcatct catctaattt	360
tgattgaata tctggaggga aatctgctgc tccacagtta aatgggtcaa aaagttctgc	420
tccaaacaag tcccgtttta tctcaataaa tctctaagtt ctggaagtgg tgtntnccat	480
tgccaattag gctccaaaaa aggtgtnatt tngaaaaaat tgaatcnttt ccaaaatttc	540
cttgganggc aaattaggtt tcttctgccc gncggaagtc ngaaacctn	589

<210> 9907

<211> 595

<212> DNA

<213> Homo sapiens

<400> 9907

aaggagaaaa aagtataaaa atttcttttc ttattacaag aattccaaga tgtgtcagag	60
ttgaccagaa gcatanagaa aactacatag tcgagtaccc accaggggaa tgttggtanaa	120
ttggcagtct gttggtctct ttgtaatgtc agattaaaga aatcacctgg aggctgacat	180
tggccccctc ccttcccagg aggcagatct ggcctaaata cggagatgcg tncaaagaag	240

<212> DNA

<213> Homo sapiens

<400> 9908

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agtggcaact ggtatattatt acaattatat acagtcctat cttccgttct gaggtctata   60
catgatcaca caaatgaaca tgtgtttcct ggggggaaag aaaaactgg ctgttggtca  120
ngaagccctg ctgcctggct cctcctccgg agtgagcccc catctcgcca tgggattagc  180
tgaaccatta cacggcaagc gggggcatcg gaagcgcanc gtggtttcat ttgtctggga  240
agacaacggg gcatnaatgg ggttggggct ggggacaagc acctgacggg tccaaggccg  300
ggcccagggg aaggaagggg atgcanacac canaaggacc ncanctctc ctccactnaa  360
gaatccggaa gcantangga cctactctt                                     389
    
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<210> 9909

<211> 573

<212> DNA

<213> Homo sapiens

<400> 9909

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gcaaataat ttatatttat tttgtctcat acacacacag aaaaacagat aaaaatctag   60
cctgagattt aaaactcact aaggaaaaaa aatcacagca aaagcagtag gttaacatca  120
    
```

特平 1 1 - 2 4 8 0 3 6

<210> 9910

<211> 569

<212> DNA

<213> Homo sapiens

<400> 9910

aatttttact ttttctcaag tttaatgtag acatacaaga aaacatcaag caatgtttat 60
tgtgcaattc caatcattat ttgcagaatc ttggtttaga gtcagtcttt atagccattt 120
caactgcttg gtttaaacaa aaagcaacaa tctggttatac tacctataaa tttcacggta 180
tttctttaaa cactgaagta ctaaaagcac tgatgatttg tattataatt tttaaaatat 240
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tatctggaaa aaaaaattct tgaaacagag ccctttccag gtatcttcaa tctctgtaaa 360
accccaaacc ccnaacagag tagatgatga aataaggatt tctcagttgc ccaagactgt 420
ctgaaattta aggtganaaa tggactggcg tttttcatgt ttcctgtgaa ttcaaaactt 480
acaggtggga tcanaactcc atctctngga anggtttact tggcttcctt ttgaattggg 540
tcctttccat tggtctcctt cccactcct 569

<210> 9911

<211> 549

acacaaaccc aaaagtcttg agcgctgtgc catatgcttg atttcaganc attcaggcac 420
 tcnaggtcaa gtgtgggggc atatatatat atgttctgtc atctcaaagc ccacnacngg 480
 ttcagttngc cgggatttcn aaaaaaagaa gctttcctgg aagaatgnat ccntcccccc 540

attttnttt 549

<210> 9912

<211> 515

<212> DNA

<213> Homo sapiens

<400> 9912

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 tcctcagcct cctaaagtat tganattaca gctgtaagcc actatacctg gcctcaaaat 120
 tatattaatg tctattagtt aacttgaatt gtttgtgctt gtcttggttg ttttaaccct 180
 acttatatac aagaattcaa aagtattttc aagccctatc atttagttgt aaaatatacc 240
 caactcacat ttatagactg ccaactaact tgaatgtttg tacaggcatt tctgctgtga 300
 tgccatgtgt acctaaataa aactcacact ctataaaatc acacactaaa ttaaattaac 360
 agggtatag aaaaaagant tataggctta cctctcaaaa tctatagact tttgtgacta 420
 gaaagcacta aaaaacagca ataatacct attaacngtt ttaccgggta atctctccgc 480
 nancaaccn aatncngggg aatncttgg cacct 515

<210> 9913

<211> 510

<212> DNA

<213> Homo sapiens

<400> 9913

ccgaattatt taacttcatt ttattattat ttatgtcct caggtaattt acatcgactg 60
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cattctgtga tatcatagtg gtaacctgaa atccaccata gtggggacat ttacacaata 180
 actggcaaat gctacaaggc tgggcttttt cagttttgtt gattgtctgg acataaaaag 240
 gtaatacaga aaatgttacc aatacaagca tttgggaaaa ataaactaaa accttttgtg 300

aaaaacaaca ggttttatgg aatttacaat aaataatact gtatatatta ttatttataa 360
 attctgtgct acacattctt catatcagta aaacttaaaa catatatatg ttatccatac 420
 attttgtttt ctanaaancc actggttgaa cattaaccaa cacactactg ggaatttcn 480
 nccnccaaag tttttttagg tnggggangg 510

<210> 9914

<211> 554

<212> DNA

<213> Homo sapiens

<400> 9914

gactgaaaac tactttatth gaagacattt tcttctatag ttctaaacac aaaaggaatg 60
 ctgttatagt gggtatttca taggcattct tgtattcaaa tgaatcacat aatgtttaca 120
 cttttaagct agacttgaaa ttgaagactt aatacaacct tttacaaaag aaagtatcag 180
 tcatatcaaa acataactat tcattctaca gattatcact ttccctaaaa tgactactan 240
 atatgaaaac attgcaggga cagctcaagt gccccattct taagggtttt ttttaatagg 300
 aaaaatgaca acgtaaatca ctttttcctt ttctttacta gtaatgaact atggcaatcc 360
 atttgagaaa gcaccagcca accgtacaag tcatttcagc accctttgct cttcnaaact 420
 gaacatcttt tatatttaat gcttccngtt tgaataaaaa tgggtatgtt tanttcaaaa 480
 ttccccacct ntttatnngg ggtttaatta aaaagttttc ccntttccn aaaaaattaa 540
 aaaattcncc cgnt 554

<210> 9915

<211> 497

<212> DNA

<213> Homo sapiens

<400> 9915

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tggttttgaa attctctttt acatcagtca taaataactg attgttaaca ttatttaatt	120
tctgtgttag attttccacc aaactctgag gttcacaagt tggaattaca tttgaatgag	180
ggtagtant tgggatttca acactctttg ctatgantcc cattgttggt aagtcacttg	240
ttaccaagtt ttgggaancg ttaggtgcaa ttagtggagg agcaactttc tttcttctct	300
taaaaacact gtttccctt tttatttaaa tgactggatc ttgtgttctg aaggaccact	360
ttnacanaa acacgaaaac tggtactggt aaaattttgt gatgggcccc cncaattagg	420
aatgaacta aaacacaaac cntttcenca gtctccant attaattcct nccttggaaa	480
aanangcaaa ctgctac	497

<210> 9916

<211> 520

<212> DNA

<213> Homo sapiens

<400> 9916

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ggtgctgtta aataaacatg tncatatag ccattttcca atgcaacatt agagtacana	120
acaggatattc tgtggctagt gagtaatact gctgctgtag ggtgcataca cgtaggatc	180
ggacnangat ctactcagg attgcatcgt antagggaca naaaaccatc ttgttatatt	240
tgaccaggcg agcaaattta atagcaactt cctccagctc tctctgaact ggactgagtc	300
ccccagggac tgtgggcaat ggcttctgat gaccnaggc aaggtaggtt ctaaaaagtc	360
aggattcnan atcccatgat cctgccaatg gggctctggg aactgggcca cggcctggat	420
ctgggccttg aacaccggct ccttgttcnt ggtgaaagga aaagaccccc ccnggaaaag	480

a att cta aat	520
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<211> 543

<212> DNA

<213> Homo sapiens

<400> 9917

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gaggtacaaa tccaacagag ctttaatccc aaagatccag tggccaccag antacagaag   60
tcagaatcaa atgctcagaa tcaaaagggtg tggcactcct gccagccgg cttatcagca  120
gttgtataga cagatcagaa aaaactagca ttattataa aaactgtttt tcaaatgggg  180
tgatttcctg tccttctcca nanatcataa ttcttcacgt ttctgaggac cttctcggct  240
tggttctttt gtcttctctt tgtacagtgc tcccgtttct ttctccttct gaaagcggat  300
ctgtagctgt ttgatctctt ggtcgtagtc ctgccactcc gggacaatcc gcacagctgc  360
ttcccagttt ccgggtctct tgggtctccg gaattattac acaaatcaat gggttttgtc  420
cttttcttaa aaaggcgtca tcacaccacg ttacacacca aaaccattct tagnaaggang  480
gatttaattn gcacctgatn aatcattttt tnggccnadc ttnatcaaaa ttgaaagggtg  540
ttt                                                                    543
    
```

<210> 9918

<211> 575

<212> DNA

<213> Homo sapiens

<400> 9918

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gtactctaag gnttttatct ggtgacatct ttccacagat aaatgtaatg tgtatcatta   60
cacttacatt gcttttatct agcacaaaac ctctgatgag taagttcata gtagttatta  120
aatgctttgc cacattcttt aaaatcagaa ttttctcag catgaatttt cttctgtgca  180
ataagctgtc agcaatgggt gaanactttc cccacattct tcacatttgt agtgtttctc  240
tccagtatga attatcttgt gatttcaatg ccttgagcaa natttatgga atttgccaca  300
ttctttacat ttgtagggat ttctctttag taaaaattct tacntantaa nggtngaagc  360
agtgattaaa anctccccca cattttttat acttgcnnga ttctctcctc tttgaactct  420
    
```


特平 1 1 - 2 4 8 0 3 6

cttatgtttc attaaaatgt gagcacggt taaaancctt gccacattct cccatttata 480
 ncgtttgang gcagtatgaa tttcctaag tctagtgggt gtgaccccga ataaaggntt 540
 tncccatnct ccccgttgtn gggttcccnc catat 575

<210> 9919

<211> 500

<212> DNA

<213> Homo sapiens

<400> 9919

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 ataataattt acttaattca ttatcatcag gaangnctgg aattaaaatt cttgattttg 120
 agtttataac ggtttcattt cacttattac ctctacatat gatcatttta aatgtcagac 180
 taattgaact actgaattga atgcaggcta ttagcattaa atgagactca tgcaatagaa 240
 tataaaggta ttacactgtc cctattttgt gcactgttta ataatcttag gtacttanaa 300
 tttttagatg tgtntctaataaatat tttt gtaaatacgt cttgaccaag tgttataaat 360
 gtttctnaca gatataaana tcatttccaa agtttactct catanatttc tgatacgtgt 420
 aaattccaat gttacctcat aaccanccaa atattccaan tctcanaaaa tgcaaaatta 480
 caatantccc tgttttncn 500

atagtatatt gctcttctca ttaatttctt tggtatcttc atgaattttt tccttttgag 240
 tttccatttc agcaattcgt ttctgcaact cataactccc aacttaaagc aggatactaa 300
 aaagtcaact tcaatgaatt aatatgccta atttaataaa ttcaaccctg gtgatcaacg 360

ggangaacag ggttcncacc aanaaaatnc cccacattgg aataattcca cccataatnc 420
 cttttttgtt aaaaannggg tctggcatgt tgcccag 457

<210> 9921

<211> 507

<212> DNA

<213> Homo sapiens

<400> 9921

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 ccnaatgcta atcctcccc cccccccac cccaaaaaca gtccccanaa tgtgaagttc 180
 cccnncngt gtccatgtgt tctcattgtt caattctcat ctatgantga gaacatgcgg 240
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 gtccctacaa aggacatgaa ctcatcattt tttatggctg catagtattc catggtgtat 360
 atgtgccaca ttttcttaac ccagtctatc attgttgtac atttgggttg gntccaagtc 420
 tttgctattg tgaanaatgt cncaataaac atacttttca tgttttctta ataccaccan 480
 gaattaaaat cccttngggt attnccc 507

<210> 9922

<211> 529

<212> DNA

<213> Homo sapiens

<400> 9922

cctcaggcac tttttatttc atgctgtgcg ggggcccttg tcccaaattt gtggccacgt 60

gtccangtgt ctgggggant gggccaaacc tgaaaaaaga aggccctgct ccaaaaatcc 120
 ccangttgtc cctgttgacc tatagggang tctgacttca ggcgttgccc tctgacccg 180
 tgagcagtcc tgaatcgctg gctcctattc tgtcacacgg ggtgggtagt gccaaaanca 240

gcctcctgca ncccttggcg tccggaanag tgacagccac attcaagtct ccctggcacg 300
 tgagggtccat ggtgcccctg actcatgtcc tggctccagc caatanccca ncccccatg 360
 gaaangttcc ancatgtgca aaaatgcaca ttggccangt ggctgcccc cggaacatt 420
 tttcaaaaaa gcaggggtca ggtnacccaa ttntccaaaa tctcatggaa aggtcccacc 480
 cattggcccc cccaanccaa ccacancagg gtttnaaccn cnaaacccc 529

<210> 9923

<211> 544

<212> DNA

<213> Homo sapiens

<400> 9923

cagagtcaat aactttatta gaaaaagatt aataactaaaa cttttcaatg acagagacaa 60
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 tagagcagag ttgtaaaaat gaaatcccac ttagtctgat tcacacgaat actaacgttt 180
 aatcctgttt tcaaagtcca agattgaaaa cttgcaatta aacactgagc aagccacatg 240
 ttaagtaat atttcttaaa aagtcttaaa gaaaaaagta tgatacagga cctaagtttt 300
 cagtggcata tatattatta acacatgttc tgaaatctgg taggtcacat cagtcctgaa 360
 ttaactttta ataataataa taataaaaaa actaactgag ctttatactt tttctatgcc 420
 ctatagcttt ctttccctca ctttttaaag gtcgatcttc actctatgcc gtncctcggt 480
 ttctnccaaa aatctcnaac agtatncccc ngctngatcn gaggtcttat caaatcagtt 540
 taat 544

<210> 9924

<211> 366

<212> DNA

<213> Homo sapiens

<400> 9924

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acggggaaga gtggactcaa tttttatitt tgaacctca tgcacagagt tccttatatt 60
ccccaggtcc cacaagagta ccaggtgcc a ttcagaacc acctttctaa acctctgccc 120
accactgaa agcaacacgg cccttcacag cctggcttcc ttcttttgac acacagccct 180
tccgctccag tggagaatcg ccaaagatca tgaagggtaa atagtctcct ctgaaccct 240
ggtctgggaa acccgtttca accccggggg gagcccantg gccactgggtg ctgcccaagg 300
gctgctgtgg ggcanaaata acacacanaa gaaaggtngg ggtggnagga accctccan 360
aaanca 366
```

<210> 9925

<211> 571

<212> DNA

<213> Homo sapiens

<400> 9925

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aaaggtaaga ncactttatt cttatttgaa ccacactgta ttgttgatta ccgantgtga 60
aagtagtatg ttcagantct tgttttatgc cttttagct gtgttgccag catttgaagg 120
taactcctcc acataagcgg caggaaaatg gccttttttc ccattcaaag atccaaacca 180
ccatccttct tcttttttct cgtgtataat cacaatgtca cccttttcca aattcaactc 240
atcatcttgc ctggcttgaa aagaatacaa ngccttgcaa agtctgctgc tgagctgggc 300
tgcaccaggg gctggagttg aaaaactgga ttgctctgcc caccanaaga tgccttgctc 360
acaatattct ctaatctctt cattaaaaaa ggccgagata ttttcacata gctatgagta 420
tgctcctttt ccctcccctg aaanatggaa ttactacnag gatggctggg ttgaagtctt 480
tgctccaatt tctgctacat tgataacagt ttgttggtatt cncctccaaa aggtctatct 540
caaattgtcc cncncnttaa cncnctntt t 571
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<210> 9926

<211> 582

<212> DNA

<213> Homo sapiens

<400> 9926

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gctcacggcc atgatttatt acagtgaag gatacaaac aaaatcagca aaggaaaaaa 60
nacacatggg gtgaagtcag gggaaactaa gtgcaagctt ccaanaatcc tccgccagtg 120
gaatcacaga ggatgagctt aattctccca gcaaccagtt gtaacagcac ttgtgaaaca 180
ctgtcaacca naaaagcttg ttagagactg agtgcctggg gtttttactg ggagctggtc 240
acaaaggtag tctctgcctg gcacatacca aaattccaga ctcccagaag gaaagcaggt 300
gttcaggaga aactatattg ttttacagtt tanatatant aagctacttt gatcagttct 360
gggaatgggtg gaagccccct gaactccaag ticcanaatg ccaatcaagg gccaaccttg 420
taaagcaagt ctctaangtt aagtantcag gtcgcttcat taacactttt ttctgcacag 480
caattttatc tcacattttt tcttccatgc ccataaatac ncatttcctt aattntcttt 540
aacnagttta ctatctccgg tttccctta ataatccaat an 582
    
```

<210> 9927

<211> 582

<212> DNA

<213> Homo sapiens

<400> 9927

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acactgcttg cactttatit tgtacagaca tttcattaat tattactcaa ttttgaggtg 60
caaaccttct gaatatagct ttcatitttg accaaacaat ttgttatggc aataaataat 120
gatgcattga aaaaccaatt tttgtatttg atttaatgca ctcttacatt taagaaatta 180
tatatacatt cttgaatttc aacttaccaa aatagaatag cttttattta acagcctaag 240
cttttgtttt cctgacaaat actgaaactt tttgttacat taatgctgca aagttgttta 300
tcacctcaac tttctcactg ctttgctcat aactaagtgt gattacatgg agagagaaag 360
ttttgtaaca gtaacacatg atttagagtt taaaatcata tcagaaagat gggaattatt 420
    
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taaatatacc ttataaaaat aagtggctta atcaatgaaa aaaaaaccca ggggtttttg 480
gcttataatt anaaaataan tntatcctta gttatagtta attaaaaaaa tcaccaccta 540
aaanttaaac catccgaant tttccttacc gaaaaaattt tt 582

<210> 9928

<211> 580

<212> DNA

<213> Homo sapiens

<400> 9928

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tgtttcatta tacataatca ccacaggata ttaggcactc tgacagggtt aggcaanatt 180
cttgggtgtga ggtgaagcac aggcacttta tttgtacagt gctgctgatt ctaattttga 240
aggtaggtat tataaaagtc tttacttgtc accittatttc tggccccaac acagcagcct 300
atagttttta aagttctgtt tctccctggt ctttggttcgt atacacatcg aaagtaactt 360
aaaaacaagg atccaagggg gccatacttc atatgttata taaatgttaa tatgagaact 420
caaaagtagg cagattatat gaatacatat tcttacctct gctacaaata aaaacacccc 480
aaacccttcn tcatactttt attaaaattc cgatnttaac tgttnccttt atntccattc 540
ctnaaaattt ttattgctta atnaatccag atnttttttt 580

<210> 9929

<211> 418

<212> DNA

<213> Homo sapiens

<400> 9929

agaaaggcag atgatttctt tattgtnaag acagcagtta caaaagagaa taaatatgac 60

aactcacaag tatgggggat aagaacatct acagctggat accctgaaac agatgttata 180
aactggctaa tggtagtat ggccatgact ttggggatgt ttgaaaggcc ctggatctgt 240
cacttgggaa cgtcagcggc ctactgtaat acaatttgca cagagtcaga gtgaacagga 300
acccttttac tcattggtat cctaactatt ctttcgttct tacagtgaac ttattacagt 360
atttaanaan tggggaaaaa ggctgaactg ggaaanacnt anacggagcc nngtttaa 418

<210> 9930

<211> 604

<212> DNA

<213> Homo sapiens

<400> 9930

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actgcaatat atttcttttt atttattatt acttagaaag ttacaatgta ntgttttacg 180
tancctttct ttaatagcag atagaggaca ttttgcatac aaatacaggc agaaaaaaaa 240
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gagagctcag ggaattgttt tttcttttaa taggtgcttt ctgggtatg acatggcctg 360
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aanatngatc tgaaggtana aaaggtgten tggctttccc ttttatatta aacaattttc 480
ttentttcca aatatctctg ctgccaataa aaancctggc ccnaccccc ccantattc 540
caaataatac cattccactt ttaacccccc ctcggggccat tccccttaaa aaaaccccn 600
naaa 604

<210> 9931

<211> 519

<212> DNA

<213> Homo sapiens

<400> 9931

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aaagcaatta agagagctca aataatgggt nagaaagaat acctcaacaa ctgaattgag	120
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ctagctgaaa ttttgctcat tatgttttgt caagaacttt aattatctct ttacagggtt	180
tatgccagtt acatacaang atcctgcata tctcaaggac cctaaagttt gtnacatcag	240
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tatgatgcca atactgactc aaaccaacct ttggatanaa aagtgtttga ggaatgaggt	360
aaanaatgac acttccccct cataccaatg tccattaagc agattgctta tttaaaatgt	420
taacactcnt cncattttat ctatgttgaa taaaaatggn tcngtgnan tgtcctttan	480
atctgatccc ccaatagctc ctaccataat cccttccat	519

<210> 9932

<211> 486

<212> DNA

<213> Homo sapiens

<400> 9932

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tatacatgtc ctgcatgaca tctttacaat aacacattcc aaaaacaatc aaacatttaa	180
caggattatt aagaacatt aatttccttc tctctagatg actgggtactt tagcttttta	240
gcttctgcaa taaaatgcgt tccttctcag catttctatt cataggaatc cctgaatcac	300
ttctgtcatg taagggtcga attcatgttg acgggtgtgt ccattantta ctgaatgtgt	360
caaaatcctc tccacggtag aaccttttat tgtagcataa tgtgtgaata cacttccagg	420
ttatccctcc tccnaattc ctenttntt atgggaattc ntctgaaacn ttnaaaaagt	480
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<210> 9933

<211> 502

<212> DNA

<213> Homo sapiens

<400> 9933

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gtttttttga gaattcttag ttttagtttt tgtttagctt acacactgaa aattttgaga 180
agcatctaaa aaaatccaca attagtgcaa aaaganggga caatacttta agtcattcct 240
tctataaaaa gaattaaggt tactaaatgc caattttttaa gcaaatatat agtttcctat 300
ttgccttctg aaagacagca gatataaaaa tagttcaata ttangtttaa caagggtttg 360
aacaacacat gttactatca gctttatTTTt acctgcaaaa atatttttagc tacacttgga 420
aaaaaataaa cttganaata taacttcccn tttcttangg cngaagccag aatacctatt 480
cntttccttt taaattgnaa aa 502

<210> 9934

<211> 333

<212> DNA

<213> Homo sapiens

<400> 9934

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tgataactca ntgcaggaat gttatcaaat atttccatgc aatctggaac tangaccaca 180
gctggcaatt ggggggtctga aagcccgaca tcccttacgc tgcttcctac atcttgacaa 240
caggaagcca agtgatacta ngtnntgcac tacaacagtg aacataaccc ccctctgttt 300
ttttgccnng tttttttaac naccaaccna aac 333

<210> 9935

<211> 585

<212> DNA

<213> Homo sapiens

<400> 9935

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gtcgtaaaag actagtttct ttttcaagat ggtctatctt taaattagct ttgccaact 180
gctgtgaata atttatagcc tctttccgag attccctgag ccctgtctt aattcttcat 240
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tgggtatcac tgcctactc ctttctaaat ctctttcttt ttcaattaat tctcttgaaa 540
naaatcncnc ctigaaaggt gcnnccccc ntttttgaag ggcca 585

<210> 9936

<211> 389

<212> DNA

<213> Homo sapiens

<400> 9936

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cccgctccctc tgaagaagca cgcacactcc agatgtctcc ttcattgata acatttctct 180
ctggctgtct ctattcctaa gtcagagtta ctcttgctgc tgctgctgct gctgctgctg 240
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gggtgtcagc tccatgcctc ctgaacttca ctccactgaa atctggttgg gtntgaaana 360
naccngtgg aatgaangac aanaaaanc 389

<210> 9937

<211> 514

<212> DNA

<213> Homo sapiens

<400> 9937

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gattgtttgg aatttattct cttaaataan aatgtaacat ttgttaaaaa aaaaattaaa 60
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ctcacaaaga aacacaccaa gaactcaca gagcacaagt taaaaacaaa ggcaaaaatg 180
gaagtggaga naangcgggc agtaaacagg cagcagtggc gtgttccttg gcacagctaa 240
tctctcctg ttgggctctc gtaccgccgc cgggaanccg gctggctgtc cgccccctcc 300
gcaggcaccc caagctgaat ggctccggaa aaaaattgaa accccttggg tgccctgctc 360
ngaaccttaa aanggctatg gtggaaactc cttttgggga cancctaaga aatgttccat 420
tttcttgcen aaaaanaact gaaagatgcc ctanccnccc naaaaataag aattgggctc 480
aaacggctaa ctcnnttga accnaacagg aaac 514

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<210> 9938

<211> 466

<212> DNA

<213> Homo sapiens

<400> 9938

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attgcacttc actctcaca ttctgccaca actttgtgaa ttatttgggc aagacctaca 180
accagcctcc cccattaaat gattaaatag gacttttggc tcattctgat tgaaatgttc 240
tgagttcaca cttgcatccg tctgtgacaa gctcanctcc actttccctc ctgccttgtt 300
ttcantccct ccactgcctc canattggc acgtctctat ttttacagaa gtncctttt 360
tttattctcc ggggtcgcan acactttttg aattacgaat ccaatngctn ctgccaaaca 420

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aaatnacaan aggctctgcc acctttggga aaangcnc tc statgc

466

<210> 9939

<211> 482

<212> DNA

<213> Homo sapiens

<400> 9939

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gtagaagcca atttagagtc ttctagtc cc ctaactttac cttcctttaa ttatacaaaa 180
ataaaatctg atagttttga tttcaagtta aagatgaaga agtggttacat ttcattcactc 240
agaaatggaa cttttacctg tctgtacaaa gccttttaca tgctacattg acacttaaag 300
caccattaac aagactttta atgtttataaa atgtttaatt aaaacctccc aagaatttct 360
ctttaagatt acgggggggt tgaacttngt tctaactaga aatngggatg aaaacaaaaa 420
tttggttttt tntcctnca gtccaacttt aaaatagtc ttncgtctent nctaatecct 480
cc 482

<210> 9940

<211> 430

<212> DNA

<213> Homo sapiens

<400> 9940

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tgaagtgggg acataaccct cttcatcttc atttctccga atgcgggtcc agccatcgcc 120
tttgtcttc tctatgacat acaatgtttc tccttcaact acggaaatcg ttccttcatt 180
ctgaccttca aatgtgtana gagctttgca cgtccctatg gcaggaggagg gctcctcatt 240
atcaaactcg tcttcaaaat ccgtggccag cacttcattc tcactctcct gantctgctc 300

ctctgtgtta cttgccatct ggggctctca cgggtccttg gggggcaatt gttgaatnnt 360
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 ttttggganc 430

<210> 9941

<211> 441

<212> DNA

<213> Homo sapiens

○ <400> 9941

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 ttctttctcc acttcatcca nttggctctg taggtgctgc cganctagtt cttttgcttc 180
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 cngtaattgt tgctgtaaat ggggtgattc ggcaattctc aactctctaa aatttggttg 360
 tgctctcaat ttcttgccnc ngggtgggtca atcaacatct gaatatcttg aaaattnccc 420
 nnccagttgn aaancttttt a 441

○ <210> 9942

<211> 395

<212> DNA

<213> Homo sapiens

<400> 9942

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 aagcagcatt ttcacacaat aatatccga tatctgtgct atcttcttac ataatttaat 120
 aaatcccaan atgctcctga ttttgggtatc gaanancttg agtgggtccag aaatatctct 180
 acntaaatat aaatcatcac atctnaaata accatcattg ttttagtagg tcccaanagt 240

cctgggaaca cctcttaaaa tataattgcc ntaggctggc tgcataactg gtgggaagga 300
 attaaagggg tacacatgna cctaattaca gcanganctg ggcagangga canacacaan 360
 gggatggggg gcanaaatcc taaactgggc aggga 395

<210> 9943

<211> 292

<212> DNA

<213> Homo sapiens

<400> 9943

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 catggatttt aatggaggtg gtttgcttca ttttaaagg gaaaaaaaaa aaaggaagct 180
 gtaaccatac attgatgta acatagcatg aantttattc ttgaanaatt tacnttggtg 240
 agcgatatta ggggaanaan ccatttggtg ttgcatanca ttttantgcc ca 292

<210> 9944

<211> 535

<212> DNA

<213> Homo sapiens

<400> 9944

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 tacaggcgcc cgccactacg cccggctaatt ttttgtatt tttagtataa atgangtttc 180
 accatgttgg ccangatggt ctcaaacttc tgatctcaag tgatccaccc gcctcggcct 240
 cccaaagtgc tgcgattaca ggcatgagcc accacgcctg gtcaattttc ttttaactcca 300
 tttttatcca actaatcttc aaaacacttt aanatttag ttataccaac ccnaagtta 360
 catctatatt tgtgttntgc aaatcctcaa aaaaaatgcc atccatgcca aaaaatgaaa 420

aacatttttc cccatttaac cttcnaaaac ctttttaaaa aaacaaccct atattttccc 480
anttcaaatt ttacccaaaa cttcnttaaa anttntaaaa aaaaaanccc tgcng 535

<210> 9945

<211> 588

<212> DNA

<213> Homo sapiens

<400> 9945

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aatgtataaa taagaatgac attttaaaat aaaatagttt agtcacagtc acacaaaact 180
accttctaag gaaaactgtc cagtgaancc gttaaatttg tgctttcagc tatgaaaaat 240
taaacttaaa atgcattcat tcttctttta atgaaaaata acctaccctt ggaaacagca 300
taagcattgt tatggtagtc tanctccnaa atgaaaatgt ggactgagtt acagtttact 360
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tttcaaccct ttttcttang anaaaaggta acacanttcc ttaacctctt ttaaaaggaa 480
ctttgaaatt aaaccttatg gtcncaactt tcattcaaaa atgttgctta aatatcaaatt 540
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<210> 9946

<211> 444

<212> DNA

<213> Homo sapiens

<400> 9946

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acgaactctt ggaaagcatt ttctgtgtcc tgctagttgt ggaagcaatt tccctgcaaa 180

acgttgctga gatgcctaaa naagtggtag tttgttggca anaggtcagg tgaatatggc 240
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aggcattgca tttttnggtg cnetcattaa tttgctgaac ntacttanca aatttntggt 420
 tnccctgaa attcaaaaac cnt 444

<210> 9947

<211> 589

<212> DNA

<213> Homo sapiens

<400> 9947

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 attccacttt tatatttctg aataaagctg caattgcttc tttgatagag ccattttctta 180
 aaacttttgc taataaggct atgtgaactg tgttcanaaa ctttgacaac atgcacactc 240
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 caaattatac ttcagtatft aacatggtag tttcaaaaaa taaatattca agggcccagt 480
 tttaaatfff cctcccatgt tatccacaaa agttgaanaa tacatgtttg gancccnact 540
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<210> 9948

<211> 295

<212> DNA

<213> Homo sapiens

<400> 9948

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 tcgtcggctc aggcaagctg ctctaaccag gccccactcc agtccagct cccaagatg 180

ggggtagaa aaacgtcnac atgcaggag ggccacaaac aggctgggct ggcatgangt 240
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<210> 9949

<211> 213

<212> DNA

<213> Homo sapiens

<400> 9949

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 cctggcagtt tctgctcaaa aggctgggac acacaggatg gggcgcgta acacagggga 180
 ggggggggcg gatttancnc nccntnnacc ctn 213

<210> 9950

<211> 554

<212> DNA

<213> Homo sapiens

<400> 9950

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 ttcttgccga aaantaacag ctgctgctgt tgtttgcct tcaagtctat taacttttgg 180
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gtggttttct tgtggtgtct cttaccagg tctttcattt cttttagtg tttctttga 420
aatttcccaa acaaaatctg ttgcttaatt cctccanggc tgtgctcccc tccgttaana 480
aacnctgaat aaaatctccg ttingggngg tgccttacia aacctgaact ggttggtttt 540

gaaaaccng nagg 554

<210> 9951

<211> 593

<212> DNA

<213> Homo sapiens

<400> 9951

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atgacaaaaa tgtantgatc agaggcgtgg aagctaacc tgtatttctc cangancagt 180
ggttcagtat gggctaatag tggtcacagt atcttttagag aacatactcc agcactcacc 240
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caggtaaacc caaataaggg agaaaggagg caataacagg agcggggang agtccttgaa 360
atcccctcct ttccagaat acctaataag cattccaccc ccttattaaa aaaacatccg 420
ggctgggccc ggtggctcac acctgtaatc ccaccacttt gggaagataa gcagcnaatc 480
nggaagtccg gaaatcaaaa acacccggct aacacggtga aancctntcc ctctaaaaat 540
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<210> 9952

<211> 403

<212> DNA

<213> Homo sapiens

<400> 9952

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caaactctgc ttcccaggtt caagtgatct tccagcctca acctcccaag tagctgggac 120
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<210> 9953

<211> 572

<212> DNA

<213> Homo sapiens

<400> 9953

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 acattctaaa atatccta atctttacaa agtgcttgag cagtcncata cacatacagt 180
 aatagcaaaa tatatttaca ctctataaag cttaaaattt taaatctgac taaaatatat 240
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 gccttcta at ttttttagtg attgacttcn attaaaaaaa aaattctgta cactgtgtng 360
 ttacaaaatg ctgtcagttt ttaatgctaa gancctatTT tagacattac tttctttgct 420
 atttgagaac ccaaaaagtg agcagactgt nctccaaaat ntttanggtt ttaattta at 480
 gttgttttac cccgtttaat ttaaacccca aaaatnagcn aaattcccn atgttccttg 540
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<210> 9954

<211> 591

<212> DNA

<213> Homo sapiens

<400> 9954

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attaaaccct ctaaccaacc taacactcgc tttcagaggc acttgtgatg attttcacag	180
cttccatagt tgcaaagaac aaagaaatca tcttccaaca ggggtggaat tagataagaa	240
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tacctaggat acctaattat tcaaggtttt cctaatttag tanacttttt cattgcctac	360
aatctacaat attcancaaa gtattaaggg aaaatgaacc caagaaacct taaccacctc	420
aaatantttt atggatatac taaactgtcn agttcaatct ttatcttaan acttganaac	480
tggaatgccg gaaaacnaac tttgggtgga attctggaat taaaaaantt aaacctgggc	540
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<210> 9955

<211> 585

<212> DNA

<213> Homo sapiens

<400> 9955

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tacaggcacc cgccaccacg cccggctaatt tttttgtatt tttaatggag acgggtttca	180
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tggaatttaa tatcaaaaag taagcttttc agaaaacaca ttcctaactt taataaagac	360
aaaagaagcc atttccaaca aaaagtaaca cttaatattc taagactccc cncaactttc	420
agattttaat ttcaaccttc ctgggnaagc tccctgcttc ttagcctttc catgtnanaa	480
tcatctgtgg atcctttccc aatacacata cattaaatta gggctngggg aagggaatt	540
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<210> 9956

<211> 501

<212> DNA

<213> Homo sapiens

<400> 9956

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 ggggtgaaggg agtgccgggc actgatggga tcaatacaag acacagaccc cttccgtcgg 360
 gagctggcta atctctacag tgccccacac cactgatttc tatcaggctc caagggtcc 420
 cattgaagaa aaaggctttg nccctctgaa tcctggggga nttttttcc nggcaaaggc 480
 ccntnttttt cncaaaccnc c 501

<210> 9957

<211> 553

<212> DNA

<213> Homo sapiens

<400> 9957

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 aatgagtgga agtataatgt ttgcaccagg tattatatta ggagccttga acccagaata 180
 tgtctgatta agtcttttag cccaataatt tgccactgat gccaaagtctg gtaattttga 240
 aggagaaagt tcaaccataa cggggtgata cagggcaccc ccgtactcaa aaaactttca 300
 aagtgccttc taaacaagtt tctctttctc cntgaatata acgtcagtca caactgatgg 360
 cagtacaatc gatccatcca tacactgctc taagaacatc ttgatgggta taatatgctg 420

tcttcatgct ctacctgcta ctaatttaat ttggtccngt tactcttccc tggganaaac 480
 naattcntct taaatccaat tccttttnna ccaaaaanaa atgatttccc ccctgggcct 540
 ccctttaacc aac 553

<210> 9958

<211> 436

<212> DNA

<213> Homo sapiens

<400> 9958

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 cttgatgact tcaagggagt ccccaaacc tgggtttctg tttctcaac tctaactga 180
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 ttttgaacca gtactagcaa tgaattcatc tgaattctgg tccnaactc ctagcatgan 420
 anaaatttga nctttc 436

<210> 9959

<211> 526

<212> DNA

<213> Homo sapiens

<400> 9959

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 atataaacct cgttcttcca tatcttctac gcaggaanag tgaatgaata gtaccctaaa 180
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ccacagcata aaacagccgg ttaaaacatg gtgaacaggg tcattgaaat gtttgtaagg	360
gtttgctcta caaaaaaac catgcaaate cccagaaata ttgcatacac cngtacetgt	420
ctcctgttac atcccgccta attctctatg ggantttccc cacatggggg gctctttgaa	480
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<210> 9960

<211> 558

<212> DNA

<213> Homo sapiens

<400> 9960

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aagtgatctg tgtacattgt gatagggcct ttcactttgg ttgaaatctt aggtttgaaa	180
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tatcatccca atcagatata tctcatctga tgtcaacttc tgagtccaat aatcagacta	300
nctccanaaa gcacaggga agtggtgtgg acctctangg actgccctct gctttgtgga	360
aaggcttggg taattttcca ttanagattc aaccaaccac cgaccaacc tggaatttaa	420
taacaagctt tttgttgata agtttatcnn tgaaactagc tatctgttct aagggaactgn	480
atctccttt gaaacacccc ggcttnaaaa atccnctgaa ataaccnttg gggaaaactt	540
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<210> 9961

<211> 583

<212> DNA

<213> H

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tctaccattt ttataggatt tacaatatga caatataaaa taatcgtctg tttcccccaa	420
atagagcata agaaaaagac taaaatttgt tttatttatg gtacnaaant ttgtttctcc	480
aaatatatta aataaaatat tgaatatgct cnttatttcc gaaaatctaa caccgggtna	540
tncnaaatcc aaaatttttc ctactcnntt gnaaattgaa ttt	583

<210> 9962

<211> 477

<212> DNA

<213> Homo sapiens

<400> 9962

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tcttgaaact gtaaaatata tataaaaatg aaaagatacc gaatgtggac agctccacat	180
tgatcaacaa atgttaacat tctcaatctc tticattgac tttaaaaact atgtnataga	240
aacagaaaat gaactaatac acaaatgaag tacaaatata ataattttca gaaggtttga	300
tttttcgagt accataaaaa aactgaaata taaatatattt ggaaatagtt ctaagaaata	360
aatatgaaaa tattttgttt ggtgtcntaa cacanaant atcctttttc cccaaatgtt	420
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<210> 9963

<211> 528

<212> DNA

<213> Homo sapiens

<400> 9963

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tcaactgggcc ctaaaccgca ccttctggta tcttctaagg caattctggt accgcactgt	180
gtctgggttg gcctatttaa atgtctganc cagctgttcc agnatttcaa tgantttctc	240
ctcttcggcc ggtgaggaag accctgttnc gaaaggcaag tntgtaaaaa ctggcttccg	300
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tccctgtgct gctcangcct tgaacgaccc tgctggantg gcagcacctt acagctgtta	420
aaccccatcc ctgctgtcaa aagtcccnca nggatcaggc ancatggatt gatatnttaa	480
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<210> 9964

<211> 581

<212> DNA

<213> Homo sapiens

<400> 9964

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gaaacctgca gtcctacccc ggagcatcag ttaagtgatg gtccaggtac tcaactgacac	180
gtttctcttg acaactgagat ggtcgcaaac aaaacaccgt tcttgccctgg atgaagcaag	240
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ttcgctccag aagttgactt tcccatccat aatctggtcc agggaggggg tgtttccng	540
aaaatcttnt tcntttcgca cctccnggtc ggaaatcaat c	581

<210> 9965

<211> 589

<212> DNA

<213> Homo sapiens

<400> 9965

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gaatatgaca aatattaaca gctataaccc atataacaga agttctctgg atctttaata  180
attttcaana atgtnaaggg gtactgtttg aaaacttcag gtgaggaggc agaatctgca  240
agacttgctg actaactaga caaganaana aaggctggag gangaactca ngatggctct  300
tg gatggtac ttgaaatang caatacagga aatgaaaaca gtttangttg aagggattgg  360
aaaaagaagg gntaaaaaaa tttggtttaa tttgaagtgg tgagtcctac atgaaattta  420
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ttcntttnaa ctgggggaaa agattacctn aaaccctat tttgaacccc cctttgttn  540
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<210> 9966

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 gatcatttct atataaaaact acnattagct gaactatggc caangtcctt gaacataaan 480

ccttttctnt ttcattgcat ctttaataagt taaaagccnc taccgnnaat gccgcctatc 540
 cgttttttan tcccccttaa ttttgnattt c 571

<210> 9967

<211> 588

<212> DNA

<213> Homo sapiens

<400> 9967

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 ggcatgtcct gttatcccag tggaaanata taaantant atgataatga atgtgggctt 180
 tgaattttta aaaactttca antcttggct atntcactag ccaacaattc tgtttcctca 240
 actgcaaant aagaataata ataatgatcc tacaagggtg ataaaaggat caaatggaaa 300
 aaacagtntn ttgtggataa aggtacaaat aaaattatan atantctctt cnttccaaaa 360
 aggggggaaa gtatttcttt tcaaacttgc caagggggan gaatgtaaat gctantcat 420
 tcttctant aacaaatnaa gtaatggttt caaagggtact gctcagtcca aaacccaaat 480
 tccccattag gatccccctt aancetaaat cccctantc ctttttttaa aaaaaaatta 540
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<210> 9968

<211> 267

<212> DNA

<213> Homo sapiens

<400> 9968

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 tctgggggca ataggtgacc ctggacccaa attattgcta cttggctagg tcaccttggg 120
 gcttcccata ctgccctgaa aatgggtggg atganggcat gcaacaata tgcaaatgac 180
 atgcaaacca acccanange ctctggcaca tccatgggtg ctggaaaaat caaaacctan 240
 tggcctnnga aggcnacngg gcaccca 267

<210> 9969

<211> 449

<212> DNA

<213> Homo sapiens

<400> 9969

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 atgctatccc tctcccctcc cccacccca caacagtccc canagtgtga tgttcccctt 180
 cctgtgtcca tgtgttctca ttgttaaagt gctaaacatg gtggctgact gcttctgagc 240
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 ctgaggaatt attcatgctt ccatggtnca ntattctcat gtcccttcc tccaccttcc 360
 acaagcttaa ananaaacat gccttgaaaa ggncaaggg tgggtcttta tcaaaaancc 420
 nccccaccaa acnctaaggc naccatttt 449

<210> 9970

<211> 582

<212> DNA

<213> Homo sapiens

<400> 9970

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gcaatctgct tggcacatt tttcttaatt ggctggtaat cactctcttg actcttggtt 180
 gctatgaatt ctttcatcgc aaaattatit tgctcaaggt gttgccactt tctctccaaa 240
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 tatactcca gatcagttgt catttgctta attttgcttt ttaaaaaaag ctgttcctcc 480
 anctcctaa tttcnaaaaa cccattttct gcaaatcaac tgcaaanttt naattctaaa 540
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<210> 9971

<211> 596

<212> DNA

<213> Homo sapiens

<400> 9971

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 catgtaaata aagcagaaaa tgcaggaaaa ttattttgaa gtttttcac acttaacaat 180
 ttctgggaaa caaagttcat cctattttcc catagaggac ccctgttaaa atataagatt 240
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 gaaagtgcc tgtaagaaaa ttaataaatg acctaaaact aaagcattta ggataacaaa 480
 catcctttta cttgctatct tttaaaatgc tgcctaggga aatccaatgg cccttaaaaa 540
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<210> 9972

<211> 424

<212> DNA

<213> Homo sapiens

<400> 9972

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aagagagcta tatatataca catgtaaagt ccattgtttt tattgtcctg agttgtctta	180
aacctgcaaa atatacacta cccatttttt tttccattg gtttcagact tggttcaatt	240
aanattgggtt ggggattttt ctcttttcct tattaacat gttctggat canaatgggtg	300
ttccttctcc atcagaggct gggaaacgta ttataattag ttttctccc ccataccttc	360
ccccaagaac aatgaaaaat aantnaangg tggaacnttc ctcenttaaa attnttgcnt	420
aacc	424

<210> 9973

<211> 550

<212> DNA

<213> Homo sapiens

<400> 9973

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tcccggcaca cttccattgc cggcaatgan acgcaccgtg accgccagcg ccaaggggtt	180
aacatatact tgtaaaacca tataactctt aatttgtacc cgtgtcttta ctcttattga	240
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ataacacaca ttaatacaat tcaaagaaaa attaaccctt tatgctggat aaatctcatt	360
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tanaaaatct ctatctacaa aatgttttct cttttaagta ttacattact tgggtgtcnt	480
ttaatanact gacattttta nccenttaaa atcentttac nttatacccc gcnaaatact	540

<210> 9974

<211> 201

<212> DNA

<213> Homo sapiens

<400> 9974

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cagttggagg catgcagaca gggcacaggg cccagcctgg gcatgcccc a gacacacacg 120
aggggacagc tttagaaaag gactgaccaa caccagggag gagcagggag ggagggccca 180
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<210> 9975

<211> 460

<212> DNA

<213> Homo sapiens

<400> 9975

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tgaagtgaca ttactttaac ncattaggaa acanagggtta ntaacaatca atacctcncc 420
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<210> 9976

<211> 308

<212> DNA

<213> Homo sapiens

<400> 9976

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accnanac 308

<210> 9977

<211> 600

<212> DNA

<213> Homo sapiens

<400> 9977

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ctacacttgt gctatcttca tttattaatt ttgtaataaa caattctgtt agttcatcca 180
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<210> 9978

<211> 598

<212> DNA

<213> Homo sapiens

<400> 9978

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<210> 9979

<211> 526

<212> DNA

<213> Homo sapiens

<400> 9979

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526

<210> 9980

<211> 515

<212> DNA

<213> Homo sapiens

<400> 9980

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<210> 9981

<211> 488

<212> DNA

<213> Homo sapiens

<400> 9981

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attttgaa	488

<210> 9982

<211> 547

<212> DNA

<213> Homo sapiens

<400> 9982

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gtctagangt atcacttctt tccaaactta acttcatttc agcagcatac atggaatatt	180
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taatcatggt gtggaatttc tccataccan cagcatggct aacgtttgtt nttttaaggt	480
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<210> 9983

<211> 589

<212> DNA

<213> Homo sapiens

<400> 9983

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tagcacacag actgggtccc aagttacaag cacactgacg ttatctagct tcaaaggcat	420
actgcctttc agantctaaa acagancgat gtgcatcata aganatagcc tatcagattc	480
ctagggccca aatgttccaa aggtcnnttt cctaaaggca tgtntatttt naacnaatat	540
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<210> 9984

<211> 591

<212> DNA

<213> Homo sapiens

<400> 9984

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taaaagcatc cctaattgtg gaaggatggt aatttatitca caaaaactat acaaaattag	180
attaattata acaacaactt atcaaagggt cctgaaatta attttgcttt tgaaaaagta	240
tcaaaagtct tcaaatccan aatgatagca ttttattatt tctgattcat ggaattatag	300
cacatcanat ctttaagcaa ctacatcana taaaatccta nataataaaa tattcttcat	360
ttcctgacag ctiggaatgt aaatgaaaac ttgttccatt ttattataa aaaaaaccta	420
naataatgca tccnatggta tcaaatacct gttaaaatgg cgtgtctgct ataattaaac	480
atgggcnatt aattctacat aattaaaaat ggcctaaatt aatccccct taanaaaaaa	540
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<210> 9985

<211> 529

<212> DNA

<213> Homo sapiens

<400> 9985

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tttttcctgt tatcatggct gcatcaaatg ttaccctgca ttttaactaa aatggccaaa 240
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cagtacattt agttaaatat ctgggtcaatt caaaaagcaa aataaattga ttcaattggt 360
taatcagtta aaccatctgg ccaacataga gtgaatcctc aaaagggcaa catgtcctaa 420
taaaaacgtg tgacangatn gtccaancac accccanggc cacacagaaa aaangccatt 480
ttatcttctt gaagangtct ggttanaatc cgttttggca aaaattttc 529

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<210> 9986

<211> 479

<212> DNA

<213> Homo sapiens

<400> 9986

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gattacaggc atgcaccact acgcatggct aattttgtat ttttagtaga nacaggattt 180
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tcccaaagtg ctgggattac aggtgtgagc caccgcaccc agccagaatt atcttatgtc 300
tggtanaaat tgaggacttg ttgaaggctt tgccatattc ttcacactca tagggttcct 360
cttcagtatg aatgttctta tgtttantaa naattcanga cggttnnaag ctttgccaca 420
atcttcncat ttgtaggttc tctcncctat gaattacttt gttccataaa ggttgaaga 479

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<210> 9987

<211> 601

<212> DNA

<213> Homo sapiens

<400> 9987

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aagagttttt tctcttttta ttaagtccgc tatactaact agaaagagaa tctgtggttt   60
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nagatcacca tcaggtgccg cttccttcct gtggctttcc atcttccagt cagcctggtc  180
ttttgccttg aagggcccaa aacaacagcc ctgggctatc atcttcatcc caaaagcgga  240
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tgcaccatca ctctttcttc naagccagca ctgggaatgg cttcactttt ggtggaagaa  480
ttcatcnenc ggccccatac ctgggtgagg gcccgatttt taacaggtnt ttcncttaaa  540
aaaggttaac ttncatcca atttcccccc ttanccctg ttacctcttc ccttttgttt  600
g                                                                           601

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<210> 9988

<211> 446

<212> DNA

<213> Homo sapiens

<400> 9988

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ctaaccacac cttaagttt tattggccat cctcttgata agctgaaaag tcacactagc   60
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ttttacaaa aatatcctgg caggatctga aactgtttct ccaaattgtct aaaatatatc  180
tgtcacacaa aatgaccccc aaagagaatc ctgggaagaa aacaatttct cctcctccat  240
catccaatta agtattttatt aaacagtcnc tatacttaaa atacctttcc aggttaccac  300

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ctactaagtt aacagactac tggttcaaac accgcaaaga aaagcctgaa actagataga 360
aacaagaaaa acctcctttt tttttngtgn accttttngt ttgtttttac ntgagaaaaa 420
gaaaacanaa ctgaggnaaa aaaaat 446

<210> 9989

<211> 559

<212> DNA

<213> Homo sapiens

<400> 9989

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acggcacatt tccaacaatt tcttaataat tcctcttttc ttaaccacag aaataaatca 180
gagcctttta aagttacctt acagatacca gcttctcaga aattattttg cagttatgtg 240
agagtatgtg cttcacaat gtcagcacca acatcttttag tattttaaga ggaaaagtca 300
agtccactga aggaatttaa cagatttttc cagaaacact taagacatct ataattaggt 360
tttaaaagga gtgacagaat gtcttgaatc acaaattaat ctgaattcag gacaataata 420
actttaactc ttaccacatt ttataagcca ttattcccat taatggntga caatctatat 480
ttccccattt ccatgcccaa atgaactggn ctcctttcct ttgaagaagn aaaccnnaat 540
gactccggaa agggtttgn 559

<210> 9990

<211> 533

<212> DNA

<213> Homo sapiens

<400> 9990

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caaatccttg ttttaaccca tatactccat aaaataaccc tgccaaggtg ggactgtcct 180
 ggccccctgt ctctaggtga gganactgag gcaganaggc taaggacct gctgcaggtc 240
 acgcagggtg tgagcggcag tgcctcggta ttagctccat gacccaagct gttgacntct 300

gcccgggctg aantcaccac ttccccaggg ctccctccgc ccagtcggan ctgttctccg 360
 ctcacctcag aatggacggc aaacgtccan ctgttctggg tcttctctc ctgggcctgg 420
 ttacatcaag ggctggttgc angtnacacc cactccatcc anggtttctn caccacnang 480
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<210> 9991

<211> 495

<212> DNA

<213> Homo sapiens

<400> 9991

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 agtgcaaggc ccaggccatg agctggggan gaagcctgac agcttgacc cnancacaga 180
 nggacgtgca gggTggctca tactcatact ggaaggcaga accatcacga tgcctctttg 240
 ggggttccca gacagaacaa ggctcctggg ctccccctgg atctccggtc ctgggaaaaa 300
 gcggccgatt cttgcanggc aaccctacc aactcccttg aaactccan ctaagtttct 360
 tggggcctgg tccccaaaaa acctgttttt gnattggggg acntggcttc cggggttaaa 420
 aaactgggaa ttccccctcc tggaattggg aacttggggg ntgcgttgg ccttttnngn 480
 acctnggggt tcngg 495

<210> 9992

<211> 553

<212> DNA

<213> Homo sapiens

<400> 9992

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ccactgacac ctcttgtcaa ggtctccagt gaccactatg ttactgaatg ccaaggccaa	180
gtcttgggtcc tcaagggatt tgacccagtc agcatcatgt gtcaccgaag cccctctct	240
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cctaccttcc tggaaaagtc tttcnaagtt tctgctggtg ctccctcacc tcctccaact	360
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gcttgggtatc tcaccantc tcataacttn taaacacat cttttatntn tacaactctc	480
aaaaaaaaacc taaacttctt ttctgaaatc ccgaatttta ttctccnaa tttaaatggn	540
ctaattggccn cnc	553

<210> 9993

<211> 399

<212> DNA

<213> Homo sapiens

<400> 9993

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aaaatgaaaa ttaagttata taatcatgag tggcagagct gggaaatgaa ctcaagtctg	180
tgactctgaa gacatgaaaa agttacacat ttcagatgaa tgcataaact atctttatgg	240
gtatgacatg aaaagtaact gtanaatgtt accttaatta catttccnaa tgcattgatgt	300
ggacagacat tanaaaagtt tggactcctt tggaaaaaca aatccnncag ttaaaaaagt	360
cctttacttg cnatccccac cctngctan cccggaacc	399

<210> 9994

<211> 542

<212> DNA

<213> Homo sapiens

<400> 9994

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 tattcttaag antagcgatc aggagtttaa caacaaatgt naagtggttt tctctaaaga 180
 atgctttctg acaggctttt gggttggaaa tggacaggta aatcactgtc acataacagg 240
 tnagctaaga ataacttctg ttaccaagt catttgaacc ctgtggactg tgaaagccct 300
 cttggaattt acatttaatt ccatcattgg tctggttgac ttccacattt cactaaattt 360
 ggacaagatc cacaaagtaa ctctcaact ctcagtcttt cacactcagg tctgtgggaa 420
 agaaaggcan tgaaaccagn tntnaacaca tgccccgaaa acaattttan gatttctaca 480
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 cn 542

<210> 9995

<211> 529

<212> DNA

<213> Homo sapiens

<210> 9996

<211> 536

<212> DNA

<213> Homo sapiens

<400> 9996

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ccatttcttc  taaattttct  agtttatttg  catcganttg  tttatagtat  tctctgatgg  180
cagtttgat  ttctgtgggg  tcagtgggta  tatccccctt  atcatttttt  attgtgtcta  240
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ttttcaaaa  aaaaaacagc  tcctggaatt  cattgatttt  ttggangna  tttttcacgt  360
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ctgatcttag  ttatccactt  aattagtggg  ttaatgcngg  attttttccc  ttgttttttc  480
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<210> 9997

<211> 519

<212> DNA

<213> Homo sapiens

<400> 9997

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agttttttat  ttctgtgtat  acgaagcagt  ctaagaaaga  atgttatctc  tagagacaaa   60
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aattcatcct  gagaaaataa  tactctttgc  actttaccct  tcatactcag  catatcatct  180
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tgaaattact  tttttcccn  ccctcagtta  gtttttcttc  ttcaactcca  aacaaactgg  300
tgtctataca  taaatcctag  atccaagatt  ccaattcnag  aaagaacatc  caggacccca  360

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atttatatat attctagcta ccactaattt ctgtngtgct acctgtngca catgatatga 420
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tcccctgttg ttggttccnt tntaaaagca tngctgcca 519

<210> 9998

<211> 419

<212> DNA

<213> Homo sapiens

<400> 9998

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gccaatatat tttacctac atcattttac ccactgtaga aaatgcatca gaaagggtc 180
cnaacattat gatatggTca atcttactct catggantan taacctagg aanantaaa 240
cttcngctg acttaagtat ttgtgtctgt acctagttc actaatgggt tatgctttca 300
tgantactag ttttaattt tatctatgca acttgtgtt tgtctgaaan aaaaatacac 360
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<210> 9999

<211> 545

<212> DNA

<213> Homo sapiens

<400> 9999

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cctgccccctc cttgcttcaa gcaattccct gcctcagcct ccggggtant tgggattata 120
agcaccgcga accatgcctg gctaattttt gtatTTTTAG taaanacggg gtttcacCAT 180
gttggccagg ctggtcttga actcctgtcc ttgtgatcta cccgcctcag cctcccaaag 240
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caacaacatt ttttttttta atgcatgtgc atcagtaact tttatgtata cagttttcaa 360
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 aaaaaa 545

<210> 10000

<211> 543

<212> DNA

<213> Homo sapiens

<400> 10000

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 anctcttttc caatgctgtt tgaacacata tatttcttgt tttgaaaaat tcgttcagtc 540
 cnn 543

<210> 10001

<211> 396

<212> DNA

<213> Homo sapiens

<400> 10001

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taatggtgtg atatgatagt cttcaanatg atgccctcaa tttctttcct ccctgcatgc	180
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gctaggtcct aagaancctt gtagtatttg ccngtgtgtc ttggganaaa ctaccacctt	360
gtgancactc cangtnacat tgaaaagtcc ganaag	396

<210> 10002

<211> 536

<212> DNA

<213> Homo sapiens

<400> 10002

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aggcacctac caccatgccc ggctaatttt tgtatttttt agtaaaaaca gggttttgtc	180
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aaagcactgg gattacaggc atgagccacc acatccggcc agcattttta cagataatag	300
ancacattct ccattgaact cttcanaaaa atgtinctgga ctttgcaaac caatgactga	360
aatgccatgc tgctcctctt ttaattttga aagatcttct tcatcattat ctccctcccc	420
aagttttnan tgtgggttaat ggaaattggc tttgttggaa ttgccccccc ccgaagccnc	480
cnccccaaaa aataagttcc gcccaaaaan ctttcaaaaa antttttttc cncant	536

<210> 10003

<211> 522

<212> DNA

<213> Homo sapiens

<400> 10003

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aattgttcac agtggtaaat tataggtggt tttctcacat tttatgtcag tttcttgtat	180
atcaaaaaat acattcatac tatgagacac aggaatcttt acatccaaaa taatttgata	240
cagatgcctt aacattgctg aatgagacaa ctttggaag attcttgttt tgtgattcct	300
ttttaccctc taagcacagt gctttgttaa cactgtgtgt gtagtaaag tgtgtgctgc	360
ttaaggtaaa gaattctagt aaactaaatg cccaagggtga ctgcgtgatt ccatgccaga	420
caggaaaaag cagtcagtct ttttgnccct anctgaacgt ttgtttcccc ncaaactatg	480
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<210> 10004

<211> 510

<212> DNA

<213> Homo sapiens

<400> 10004

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caagctccgc ctcccgggtt catgccattc tctgcctca gcctcccag tagctgggac	120
tacaggcgcc cgccaccacg cccagctaatt tttttgtatt tttagtaaan acggggtttc	180
actgtgttag ccaggatggt ctgatctcc tgaccttggt atcctcccgc cttggcctcc	240
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atgaatgaga ttaaaattgt tttataattt ttacatttaa atccttgaaa attaaaaagt	420
nagaaatatn atagcttaaa tatentatcn ttaaaaatta acttgcctta tttaaattaa	480
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<210> 10005

<211> 550

<212> DNA

<213> Homo sapiens

<400> 10005

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acaaagtctt aatacgaact gtttaattgt tataacaaga ttgagangc aggggtangt 60
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tttttcacaa tcactagatt tacatacaat tataggttaa ggttctccgt gtacacatac 180
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tggtgtcaga aggcaactac cctatttact anccactgat aagttatgac aacactatit 420
cataacctgt cctatatttc ttttaacccc ccagccatta ggattangat tccccacccc 480
taagggnnta tcccgaatgc cttantgccc caacnntaa aaatccaaat tgcatgccnc 540
ttgaaaaact 550

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<210> 10006

<211> 231

<212> DNA

<213> Homo sapiens

<400> 10006

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cctttgttag ttgccactgc agtaccatcg aaagaacatc ctggggaaac aaagaggtat 120
gtgtgctaca ggaggggttg gtgactagag acttaggtcc cggaggcctg gacaccaggg 180
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<210> 10007

<211> 487

<212> DNA

<213> Homo sapiens

<400> 10007

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cccacgcacc ccaccgcccc cagagtgccg caaanagagt gcaaaataaa ttttgttaa	180
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tcagttatgt ctatttcttt tttttaatcc tctctctctt gcccgtcagc ttccattcat	300
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cgggaaggaa gaaaaaccnn tccgtcccaa aaccncnaaa attanttggt gggttcnaaa	480
aaggcct	487

<210> 10008

<211> 543

<212> DNA

<213> Homo sapiens

<400> 10008

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tcacacttgt aattccagca ctttgggacg ctgaggctgg cggattgctt gaatcccgaa	180
gttcaaaacc agactggaca acatggtaaa accccatctc tcatgtaaac ccaattccaa	240
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tccgtgtctg angaaagaac ctttggtgga agcaatagtg atatctcgt gatgttactc	420
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<210> 10009

<211> 538

<212> DNA

<213> Homo sapiens

<400> 10009

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acttttccag ccacaagtat cttcaaaaat taatgaaaaa aaattatata tggccatagt 180
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cttttaaaac aggtttctca aggaaaaact gcattctggt ccctcttgga ttgtccaaan 420
tcaaaaatgt ntgccttaac ctgttctggt tccaccantc caacaggccc angggaaatg 480
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<210> 10010

<211> 483

<212> DNA

<213> Homo sapiens

<400> 10010

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ataaatgggg ttggagaaaa aagaaaaaag gaatggccaa aggtatggaa agctttcaca 180
atgcatgccg agtgtgaant gacccccag canatggggt ttatcatctt tacttagtca 240
cacaacatca angactgggt agttccagg gaanggctcc atttcattac ctgggtcagt 300
tctcttcccc cgcagtctcc acaatgcagt anaacaaaca acacattcat ttacaatana 360
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atgtttaaat aacacctgtc caataactgc ccttacttct ttgtgctgtc cgaaaaagaa 420
 aaaacnnaaa gccattaaac cccnaccctt tggccanccc acccgtnnct attctcctgg 480
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<210> 10011

<211> 569

<212> DNA

<213> Homo sapiens

<400> 10011

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 gaggcittaa cataccactc taagaaataa gtacacatag ccaaaaacaa catactatta 180
 cagtattata cagtattctg acacagctag gtttcagaaa tcattatact tgacaaaaag 240
 gataatttac attcttttta aaatcccatg taacaattac aaaaatctct ttagtaacaa 300
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 taaaacacta gttgatagaa aaaagacaga aaaaggaatn taacaagcct cctaatttga 420
 aataagcact tttctacatt actccgattn aaganaaaac cccaacntac caaattttta 480
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 tggtaggatac ttaattnctt taccnccn 569

<210> 10012

<211> 565

<212> DNA

<213> Homo sapiens

<400> 10012

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taataacatg ttaatagtat gttggcaagt tgatttanaa caacttgcca acaatacaaa	180
cagaaaaagg agtgggtcaa agaaatctag tttggcttta ttttcaatag atcatactgt	240
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aacttatatc tatttatgac aaactttgtc cctacacatg tggctganta atttcataatc	480
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gntatatctg ttcaattcna aaatg	565

<210> 10013

<211> 589

<212> DNA

<213> Homo sapiens

<400> 10013

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acctcctggg ttcaggtgat tctcctccat cagcctccca agtatctggg attacaggtg	180
cccgccatca ctcttggtta atttttctat tttagtaaaa atgggttttt gtcattgttg	240
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tggaaaaaag gggggtnttc catnggccca ctaaccatt gggcnaatta aactcctttg	480
ctccccaac tgtttgccan aaaaccttaa aaggaaggcc cncctattnt ggaaacaaat	540
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<210> 10014

<211> 541

<212> DNA

<213> Homo sapiens

<400> 10014

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atgtttcaag gatcattcac ctggctaate cacaatatat caaaatgctg acagacctac 180
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<210> 10015

<211> 559

<212> DNA

<213> Homo sapiens

<400> 10015

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ataaggtatt ctgcggatta aatgagaacn ttcatgtnaa ggttggtggc caagtactng 540

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cccacagtgn ggaccttan

559

<210> 10016

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10016

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agagtaaaaa aggagtttat atatttataa atgccaaata aataccagag gccacccaac   60
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ggccccaagc tatagcccaa gagcagctgt cagtctgtgc taccagggaa ctgagtgagg  180
atgatctgtc cagccaagtt tcactcccc tgagtgagg gccccatag ccacaggcct  240
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gttgaactgc atcatgccc tgggcgtcag gcagaaggcg ctgcgggcac tccggatcgc  420
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<210> 10017

<211> 524

<212> DNA

<213> Homo sapiens

<400> 10017

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ctccagggat gttgcagccc taagcacagt gacaggtggg ggcaggagca gcaggggtcc  180
ccgaggtgtt ganaggctgg tgagggcaca gagaaggac ctcctggggc tgaggcccct  240
    
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ggtggcccta tgtgttgag cacgctggcg ctgtctgtc cggcctccag tcacgccaag 300
gcctcctgcc ctgaccacca gcaatgctgg cctcaatgtg gctgaagctg gacgtgtgac 360
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tccaggtatg caccagttg gctcangan ggacccccca ngcgttangg gtttanggtc 480
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<210> 10018

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10018

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acctttgccc tgcccaaaag atgaacaaaa ataaccagaa aggtaaaaat ctgtcttttg 180
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aaaccggttt ctaaaaacct gcaaaaggga catttaagag gaagctgttc cctgaacgaa 300
gactgagcag gacaagccaa aagcgggtgcc aggggacaat gccagatggg gaaagtagga 360
gccgggttgt gagacggaaa cacacacgcc aagaacagcc agggagcaaa gcgaggagtt 420
ctggcttctc gtaactcatg aaggatgaat gctcatcggg taaatttaga cgataaagct 480
gatgatgacg gccccggggg ccgnttttgg aaccnctta nttccagtnc ncnagaaaag 540
aaaatnttgg agg 553

<210> 10019

<211> 559

<212> DNA

<213> Homo sapiens

<400> 10019

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gaagctatct tgcagctcac tgactgatgt tcttttaaaa agaattcttt ttttttctct	420
gngtttctact caggatagtt tctattgaga cttctctgag ttcactatta ctttataaca	480
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actgggaagt ttgaatttg	559

<210> 10020

<211> 562

<212> DNA

<213> Homo sapiens

<400> 10020

aaacaagtga acagttttat taagaattaa atgagggtat ggaatgtgat acagtacaag	60
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aaaaaaaaat cacaagacaa aagaaaaagc aattccatca ttataaagta agctattica	180
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acatagttga gagataatgt aaatataaac cccattaatt ctctcattat cttctaatta	480
tnaaacctgg aagcttagat aatctggaaa attcatataa aatnagnata cttcacttgg	540
gntccaagaa atgactttcg gt	562

<210> 10021

<211> 514

<212> DNA

<213> Homo sapiens

<400> 10021

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ganacggaat tgnctgttg ttactccggc tggagtgcag nggcgtgac ttggctcacc 60
acaacctccg cctcccgggt tcaagcgatt ctctgcctc agcctccga gtagctggga 120
ttacaggcgt ccaccaccac gcctggctaa ttttgtattt ttaatanana tggggtttca 180
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cagcttaaac aaactaagat gattattccc acagaggaat cgtttttatc ctttaaggcgg 360
ggttaggagg aattcacaag agagacctgc tgatggacag acagtacatt gcgtgtcgac 420
aggagtccac accaatgcca cctgcaaate aanngcctga cattcccatg ggggcncaan 480
aaaaaggntn aatagatccg tttcctttnt atgc 514
    
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<210> 10022

<211> 556

<212> DNA

<213> Homo sapiens

<400> 10022

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agtagagacg gggtttcacc atgttagcca ggatggcttc gatctcctga cctcatgac 60
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caaaacaatt ttctacacaa atgtccttat gaaatgcat gaaccccaag tacacttggg 180
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ttaaaatttg gtggatgaac ctattctcc cttaattgc agaacagaaa tgtgtgacac 420
tccctgagtg tcaatgaatg cctgatccct gcctaactca ggaaattctt ggcatcttn 480
    
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catttatggg atcgna 556

<210> 10023

<211> 555

<212> DNA

<213> Homo sapiens

<400> 10023

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caaactcaat tagaaaangg gattaaaaag nttnaaaga acacnttttt tttttttttt 540
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<210> 10024

<211> 558

<212> DNA

<213> Homo sapiens

<400> 10024

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tatttttagt agagatggag ttttgccatg ttggccaggc tggctctggaa ctccaaacct	240
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ccttttcctg ntccaatact tggctactgg ggngacattc ttttaaatt tcatggcatc	540
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<210> 10025

<211> 559

<212> DNA

<213> Homo sapiens

<400> 10025

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ggccacacag tgttgggtta caggcttgag ccactgcgcc tggccatgaa tcctttatca	180
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<210> 10026

<211> 550

<212> DNA

<400> 10026

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aaatatagct gaacctcttc tcccagcata gaagaagaga atgtgaangc atgaanggtg	480
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<210> 10027

<211> 545

<212> DNA

<213> Homo sapiens

<400> 10027

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cctntatgcc ccagagccca caaatgctt catatctgnc catctgaanc tgnntggctg	480
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<210> 10028

<211> 570

<212> DNA

<213> Homo sapiens

<400> 10028

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tagaagtgct agggatgcaa ccaagaaact ggttgaataa tgggaangtt aaatgcctga   480
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<210> 10029

<211> 549

<212> DNA

<213> Homo sapiens

<400> 10029

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ggtttcgcca tgttgccag gctggtcttg aactcctgac ctcaggtgat ccaccacat   240
tggcctccca aagtgtggg attacaggcg tgagccactg cacctggcca agtgtacatt   300

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cttaagaaca acgtacatag attggggaaa agtatctcgt tttcattctg agagctaata 360
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 gcatncttt 549

<210> 10030

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10030

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 ttcattgaaaa aaa 553

<210> 10031

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10031

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attatatctg ttgtgaagct ggttctccca gacgttcctt gcaggctggt tatgcagcgc 240
 ccatccgaga tgaaccaca ggacactcag gatcccagac tgcaggagtc gtctgggac 300
 acaggcgggg cagagcaatt tgtcaatgtc tatgaggagt cctccttggc agcccagtct 360
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 caggtaggcg cctgtccaa gcctgagttt cctgggaaat ctacatttca gcacagatgg 480
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 ttttgntgg tggtttga a 561

<210> 10032

<211> 563

<212> DNA

<213> Homo sapiens

<400> 10032

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 agtgacagag tggatctctg gtccctgtcc ctgacttctt ccctagggt cctcctctg 180
 ggcattctac tcagaggaag cagggccatc agtggtactg gtgccagctc ttggggagct 240
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 catgataggg agaacagcta tcttaggagg ctgcttgcta gacagagatg ggtgtgtgtg 360
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 cagtcttccc tctattgccc tctcctggac atagggaaga agtgcctctc cctgctgccc 480
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<210> 10033

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10033

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 tttctccgc taggattttc ccttgactcg cctctttaga gactgctaaa cacacacaca 360
 catacacaca ctcatTTTTT aatcccacca actctcctcg cccaaggcc agaggcttgg 420
 cggtgacagc ttcgaacaat gacatcacc taggtttgcc tccttggcag ggtcaccaat 480
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<210> 10034

<211> 556

<212> DNA

<213> Homo sapiens

<400> 10034

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 ttccgggtca tccgcagaaa ttctcatag atggcaactc tgnctactct ccgagccagt 420

ggcgaaaagt tcacagggag tccaccccgg tgtggtgcct gttggggaca gacctgaatg 480
 ttgaacttga cagtcngaaa aatacttttg agctgctgtt tnggaaaaaa ttgtttaacc 540
 catnctcaan tttcnt 556

<210> 10035

<211> 544

<212> DNA

<213> Homo sapiens

<400> 10035

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 tatcatgctt caaggggccc actccactgc agtgggttct caggacaatt ttttttttc 180
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<210> 10036

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10036

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特平 1 1 - 2 4 8 0 3 6

gattacaggt gagcgccacc atgccagct gatttttttg tatctttagt agagacgggg 180
 tttcaccacg ttggccaggc tggctc aaa ctcctgacct tgtgatccgc atgccccggc 240
 ctcccaaagt gctgagatta caggcatgag ccaccgtgct cggccaaaaa tgaagcattt 300

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 tcagaggaat ttgtctgcaa aacccttaca gaacaccaca caatcaaatt atttgcacca 420
 tagcaacttt acccccaaag tgcanatctg ttggtcttat tggcttgagg gctacctgcc 480
 aggatctang nccatggtgg ctggcctct gagctctggc ttncatttc cacnggtttc 540
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<210> 10037

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10037

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 tctgaagggc aaattggaaa gcggtgatca ggcagggaag agagggcagg tggaggccag 180
 gaccatcggg gggaaggccg cctgactcct ctctcaccag ctctaact cacatcccca 240

<213> Homo sapiens

<400> 10038

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cagttgcatg ccaccacacc tggctaattt tttgtatttt tagtananat ggagtttcac 180
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agaaagacat ccttcagctg gctcttgggt tcanacccc tgggctaagt caccttggct 480
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<210> 10039

<211> 566

<212> DNA

<213> Homo sapiens

<400> 10039

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tccagtcttg cagaccacac aggttacatc tagagggttc tacttgcatc acccacactt 180
ccactcctgt gaaacaactg tcttgggcat gagaagggcc aggataggcc aggtgaatgg 240
caggctgccc aacaacccca atcccaaacc aacctcccag gccatgggcc caagtccctg 300
caggaagatg ctaataggta caacaggtag aacatgtaga cacaaacatc tagtttattt 360
tttctgactg taaccaaagt cagcaaaaga aacaacaaaa cttcagtgcc ctagaaatcc 420
tcctggattc aatgacaaca catcaatggc cgggcacang gttggattcc ttttatgaaa 480
tcaccttata atctctcatc atnccaggac agtggctttt gggactgcat gaatcnttna 540

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tagctccccc ccaaattntt atcctt

566

<210> 10040

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10040

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ggaggtcgtg gggccggagc gggaagatgc tcccagtgag ggcctgggga ttigcctggg	180
cacactgggg ccaggcacag ggtctgttct gaattcaggg aaggtgaaga gacccacct	240
ctatccagct caagcccaag aacaaggcag acagagctgt ggacagcacc cgaccacaga	300
cacggttctg cctgctgctg gagtgaagg cctggtttct gaggctgcag catggcactg	360
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gttcacacaa cccaagggcc ctgtgtgcaa agcgggcctt aaacgcgcac aggaacattn	480
aacaaaactt ggcaagggga agggganaaa anatcaaggt ttgnaatgaa gggncittta	540
aaagaaggnc cnacttaaaa c	561

<210> 10041

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10041

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caagctccgc ctctgggtt cagccattc tctgcctca gtctcctgag tagctgggac	120
tacaggcgcc cgccaccaag cctggctaatt tctttttgta ttttagtag agacgggggtt	180
tcaccgtgct agccaggatg gtctcgatct cctgacctcg tgatccgcc gccttggcct	240

特平 1 1 - 2 4 8 0 3 6

cccaaagtac tgggattaca ggtgtgagcc actgtgcccg gcccaatttg tttttaagc 300
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 cctagactga tagaccattc ttggattgga ccattcctgg attgggcaat ggcaacactc 420

ttccagaaac cattagaatg actctaaaga gagcagaagc actttttctc tctgcctctt 480
 cctaaaggct gaatatatcc tattggccat gggctggtca attccttttg angtgaggga 540
 ttgactcctt ctcaactccc c 561

<210> 10042

<211> 505

<212> DNA

<213> Homo sapiens

<400> 10042

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 ctggagtcca ttcctatcaa tgtcattttg attgtgcagt aagatgaaaa ttgtcatta 180
 caatagttac agtgacagag aaatgcacac tatgtatcaa atagcaagga aatgaagcaa 240
 attataacac agtgtggcaa cgcacgagca agtaaccatt agagtaacat tactttgtcc 300
 agtaaagct tcagttccac cactgtgaca cttaccaatg atttaaaggg ttattatac 360

aatctgcaaa ccaagaacct ggaaaggaat acaaattcct tcctggaaaa catgtatccc 60
 ttcttgccct ccctccacgc cctgataaat aacatgagca tgcagcgatt gccaacagca 120
 gctccaggca tgaggcacia catctgttac tgagacactg gagagacagt ggaaagcaag 180
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 aaattcatgg tgcaccaggc tgagcccttt gttgggcat taaagccatt ccttgatgga 360
 gaaggagag caggactagg aaatcaggag gactagctt catttaatta gattaactaa 420
 gcctttccag tggcagccag aatcaganta ncccttngga acnttgaaag ctatggattt 480
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<210> 10044

<211> 539

<212> DNA

<213> Homo sapiens

<400> 10044

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 ttaaaggcac atgccaccat gcctggctaa tttttatat ttttagtaga gaaagggtgtt 180
 caccatgctg gccaggctgg tctcgaactc ccaaccttag gtgatctgcc tgtctcagcc 240
 tcccaaagtg ctgtgattac aggcgctct tttccttaat aatccctaat tcttggctag 300
 gttgttgggt aaaagttatt tcctgataaa caaggcgta cttatatat attatcaata 360
 aaattatatg tataaataca tggaaatgca cgcatagtat tgcattattc aataagaagt 420
 ttacagctg aatatccctc ttaagaattc cttgagggcc aagactctat ttcctttttt 480
 tccttttctt ttttttttga anccgggttc ccaggntgga atcacagggg gggaacntn 539

<210> 10045

<211> 543

<212> DNA

<213> Homo sapiens

<400> 10045

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taacaggcgc ccgccacat gcctggctaa tttttgtatt tttagtaaag acagggtttc	180
accatgttgg ccaggctggt ctcaaactcc tgacctagg tgatccgccc tccttggcct	240
cgcaaagtgc tgggattata ggcgtgagcc accatacctg gcttgctgct accttttaa	300
tgtacatagt aatcaaactg atccacagaa tgtcccttcc agggacatga taactgaccc	360
cctgaaccag ccagaaagag gagagggact tgccttaagc aagtattgtg ggaagatcac	420
caaattacta gacatggatc actatccttc tggatccggc cccaaacaaa cnttaaaatt	480
accttaccaa acangntag aacaatntga aatggaatta aaaggngccc caaactggat	540
tgn	543

<210> 10046

<211> 510

<212> DNA

<213> Homo sapiens

<400> 10046

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cctggctcaa gtgactctcc tgcctcagcc tcccagtag ctggaattac aggcgcgcac	120
cacaacaccc agccaatttt ctgtattttt agtagagacg gggtttcatg ttggtcaggg	180
tggtctcaaa ctctgacct caggngatcc acccaccttg gcctcccaaa gnggtgggaa	240
tacaggcatg agccactgng ctgaggcccc aagcccccat tctttctgta acctcaagat	300
ggcatataag cttctgcacc ccattgcana gtggggagta atcaatcact ctgnggttct	360
ccctgtgtgc gcatttaataa atttgcacgc catttctgct attcatctgc cttttgncag	420
ttgacttttc agtgaacctt tanagggcaa aggggaaagt ttcccttggn ttccataccn	480
tcaaaccttt ttcaccaggc ngaaanaagn	510

<210> 10047

<211> 423

<212> DNA

<213> Homo sapiens

<400> 10047

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cacagcaatg acatagttag tagagtgtcc tgtggttgat agtgttccag cacgagtcag  180
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gaaggcctct ggatcccagc gggcaccttc caggaataat ccatggatat agcacctac   360
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tgn                                                                    423

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<210> 10048

<211> 540

<212> DNA

<213> Homo sapiens

<400> 10048

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caagctccgc ctctgggtt cacaccattc tccagcctca gcctcccaag ctgctgggac  120
tacaggcgcc caccaccacg ccaagcgaat ttttgtatt ttttagtag agacagggtt  180
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aagcgcattc tgcagcctga tgtgcctgtg aggtgagagg tgtgggaggg acagaagctt  360
tgttcaaaga ggtttgggag aggctggata cttagctccc ttcttgnaag tttgccacac  420

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acattggcat attaaagggt ctgagaaagc attcaggga ctggtctggt taaggggccc 480
ccaataactt ggcccatna cggntaattc tgggaantta gttaataacc tagggttcgg 540

<210> 10049

<211> 497

<212> DNA

<213> Homo sapiens

<400> 10049

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acaacctctg cctcctgggt tcaagcgatt ctctgcctc agcgtctcga gtagctgaga 120
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gtggcatttt ggagcaggag tgagaagcct tgaaaatgta tnaaganttg aaaaagggnn 480
gggaaacann ccnatta 497

<210> 10050

<211> 527

<212> DNA

<213> Homo sapiens

<400> 10050

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<210> 10051

<211> 564

<212> DNA

<213> Homo sapiens

<400> 10051

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 actacaggcc catgccattg tgccctgttg cattcttttt acttttttgt agatactggg 180
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<210> 10052

<211> 555

<212> DNA

<213> Homo sapiens

<400> 10052

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ttcaacctcg ncttcctcta ttggcctttt ctggacatag ggaanaagtg cttcttcctg	480
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ttggcttgcc ccaag	555

<210> 10053

<211> 529

<212> DNA

<213> Homo sapiens

<400> 10053

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tcaaaaacaa aaaccaaagt gccggtacag gcatgccgtg ggtgatcagg ccacccttcc	180
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ttctgcgtcc ctcaagctgg ccagagtccc ctgtagggat gctccacagg gcaggcctat	420
gctgcctaag gggcttgctt cgactatctg gtaatcacct ggctttccaa tcagggnacc	480
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<210> 10054

<211> 496

<212> DNA

<213> Homo sapiens

<400> 10054

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ggtgtccacc accacgccc a gctaattttt atatatttag tagagacggg gttttgccat  180
gttggccagg ctggtctcaa actcctgacc tcaggatgac cgcccgtgc agcctcccaa  240
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tgtccaatgt ttgcttgttt tcttcttcag gaaatcaact tttgtgagt gtgctgaagg  420
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<210> 10055

<211> 462

<212> DNA

<213> Homo sapiens

<400> 10055

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ccgtgttggt caggccggtc tcgaactccc aaactcaggt gatcagccca ccttggcctc  240
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agatagtctt gctctctcgc acaggctgat tgcatgggtg cgtgatctca gctcactgca  360
acctccgctt cctgggttca agcaattctt gggnatthtt agtaaaanat ggggctttcc  420
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<210> 10056

<211> 417

<212> DNA

<213> Homo sapiens

<400> 10056

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gcaaagacaa acattttatt ttcatgata ggagctgtag cagagtatat gggggcctct   60
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gactttggcg gcggggcagt gctcgaccac tggctgggtg ggctgatctc agcctctcct  180
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ttcttcctg accctccctt ccaccccggt aggggtggtt ccttaggaac tcaggcctgc  360
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<210> 10057

<211> 437

<212> DNA

<213> Homo sapiens

<400> 10057

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gaccagaaag agactttttc taatacagca gtgttttggc tgggacaggt tggccggact   60
ctccaggaac gtggtgaaga gcgtggggga ggcggctgag gcagggcaga gccagggctg  120
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cctggccttt gatttcctgg gaggaacagc acttggaacg gagtaagaat ttcaggcaat  240
cacctggttt cccaatggc tttcttgtct cacggacagt ttaacaaagc tggcagagtc  300
ctgtaactag gatctgtaac ttgggggta agggcaagta ggaacagaca tccaaaacaa  360
ctgagtgtg ggataaaggc ttgaccggaa agatttcagg ggccnnggct ttgtttgcat  420
tntggnaaac tnntcan                                     437

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<210> 10058

<211> 550

<212> DNA

<213> Homo sapiens

<400> 10058

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gaaatagatg gtgtattcaa actggataat ctaataaagt tatatttata aaagtataga 120
aagagtatag tgaaaccaca agtaatagca gaatcccctg ggactgggac aagaggatgg 180
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gtgaatattc tcttcctgac atgctcctca gttcnccact tgaatgggcc atctgnttct 480
tggcgggacc ntgactgcac tggttcattc caancitggg agctgggctt taaattggnc 540
ctgggtaacc 550
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<210> 10059

<211> 552

<212> DNA

<213> Homo sapiens

<400> 10059

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caacctctac catgttcaag cgattctccc acctctgcct cccgtgtagc tgggatcaca 120
ggcacacgcc accacaccta gctacttttt gtattttttag tagaaatggg gtttcacat 180
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cacattgcca attccatttc aattaactat aatagctatg tctattgagc actcaagcgt 360
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attctagaaa ctgttcctga ttctggggat atatccatga atgaactata gtccctgtta 420
 ttaagtaatc cgtagtctga ctaaaccatt agaaattaaa aaaaaaatgg ctactttcaa 480
 agacatcttg gagttcanga gtcccacact gggaaccatt ttacctaata atncaanctg 540

nttgaatta ac 552

<210> 10060

<211> 558

<212> DNA

<213> Homo sapiens

<400> 10060

catagggtct cgctctgtca ctcaggctgg agtgcagtgg tgtgatcatg gctcactgcg 60
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 ctgggccaca ggtgtgtgcc accatgccca gttttttttt tttttttcgt aaanatgggg 180
 gtctcactac gttaactggg ctgggtctcaa actcctgagc tcaagcaatc cttccaactt 240
 ggctcccaa agcgctaggc ttacaggaat gagccaccgt gcctggccan aatcggttac 300
 atatatgtga catatgtgta atacatgtgt gcctgtcccc aggtntcagg gcagagagaa 360
 cacactttct cctactatit taccacaccc ttcttgctgg gaggctatta aacctgaagg 420
 tctggtaacta tgtantgggtg aagggtgana tatggattca aaccacactg gggttttaagt 480
 ccctgntttg gcaattaatt ttaatgggac ccctgggcaa ggggaaccnc cttttttggg 540
 ncctgggttc cctngttn 558

<210> 10061

<211> 558

<212> DNA

<213> Homo sapiens

<400> 10061

ctgctcggtg ccattttatt taatgcaaac actagacagt ttacaagtca cacctggaca 60

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ctcagggccc tgggactgaa cacggtctca cagacagcac atattctacg tcacagctct	180
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gggacaagcc tgacaaagt cacaatctgg ccaatgagtg tgggaggccc tggaaacagg	420
ccaatcctgc aagccacccc acccttacta acttcctgaa catgggaagc tttttgagac	480
cagnccaag gttcttttcc tttattggga ccacgcaaaa ggcatttntg cantgcttga	540
aggtccccct ttaaaccn	558

<210> 10062

<211> 540

<212> DNA

<213> Homo sapiens

<400> 10062

aaaggga aaaatattt aggtccagga atcaaagatg acttgataga attatgaata	60
catgcagaat tggatgggta gaaatgaaat caatctatit aggtccagcc taaggttctg	120
atagccaatc agtagacaca atcagagtag tagtattcct aagaaaccag gataaatctc	180
caatgtgcat gagtttaatg aaccagatag attattgtat cgccaatatc cacccttate	240
ccattctcag tcagatgaat tttcttgctc atgagggtcca cattgaaaac agcatgctca	300
gaaatggggg tcttctcggt gtactccttt cccaggacag gaactcgtcg aggccccaac	360
agtggatcat caaatctcat cagtttcact ttggaaagggt ctttaattcc tcgattcatt	420
ttcattaaac gcctgattat ggaatcacag ntatctnct gnctggattt caattttggt	480
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<210> 10063

<211> 550

<212> DNA

<213> Homo sapiens

<400> 10063

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ccaagtcctt tattttactg atgagaaaac agccagagag tgaaagctga tgattacaaa 60
tcacagccat ganagctggg ctctgcactc agccctgctg ggctgggtgg ccgctgctca 120
cggngaccct tcaaggcagg cctcattctg tccagtanag gtgtgggttac taagtcatag 180
agctacagag gtgagggacc aggtgccctc actttggttc caagacccat ctgcacccca 240
caaatgccac cagccacacc tagaacaaaa tggttttaat caattgcgtc accctcactc 300
tcctggggagc ggagcaacaa aaaggctcgg ctctgcccc cagaggacag taaggcttat 360
gtgtctctcc aactgcagg gccaggtctg ggcaggcagg gggtaggaag caggacaggg 420
ggcagggaag gaaggttgn aggcaggga ggaatggca ggtggctgga acccangaaa 480
gccaagggga nccaacttgg nccttgggcc ccagggccca ncccaatac tncngttttc 540
cnttttcctg 550
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<210> 10064

<211> 548

<212> DNA

<213> Homo sapiens

<400> 10064

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aatggtgatt tttctttatt tccccgcacc ttcaatctca tggcatggtc tgcaggaaac 60
ctcagagtcc tgccaactcg caggtctcgc tgatcgcatg gcacctgggc accccgcca 120
agagctgaaa ctccaaggc tcagccagga ctctccagct gtggtgtttc taaaagccgt 180
tctgggtgag atgtagagcc gagttttccc agtcgctcag tcctcctccc gtgaggacaa 240
cactgcttgc tctcctggct tgcctcacc atccaggaaa aggtggggag gggctctagg 300
cagcggcctc tcctggttga aagaaactga gacctgggcc ttccgtccag tttaacctgg 360
agcaggcctg gccctgggc aggctcagag caggctcccc attcagcaaa tgagggtatc 420
ctcctatfff gccaacatcc atcttcaccg acttggcctg aaccattct tgagtacaga 480
nggacacca tgacagaaat nccangtnac ttttgctgga agccactggg ctggaanagg 540
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acttnttt

548

<210> 10065

<211> 550

<212> DNA

<213> Homo sapiens

<400> 10065

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agacagagtc tcactctgtt gccaggctg gagtgcagtg gtgcgatctc ggctcactgc   60
aacttctgcc tcccaggctc aagtgattct cctgcctcag cctcccagat agctgggact  120
acgggagcat gccaccatgc ccagctaatt tttgtatitt ttgtagagac ggggtttcac  180
catgttggcc aggctggtct cgaactcttg acctcacatg atccacttgc cttggcctcc  240
caaactgctg ggattacagg cgtgagccac tgcacctggc cccccctctg ccctctcttg  300
agaggcaagg cattttctat acaggggtga ggaaaagtta aactttctat acagtaagtt  360
agcaatgccc aaatcccaac tgagaaacga tgtaaatttt agtgataggg ctgtaaccac  420
taggtaatgg caaggacata aatcccaata ttcacaagtc cttgtgggga aggggtgtgat  480
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<210> 10066

<211> 549

<212> DNA

<213> Homo sapiens

<400> 10066

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gcccccttta caggggagac gtaaagctgt cccagttatc aaaaaattca aatctccttt   60
tcttctgtgg actggctgtc aatgagcttt catccagggt gtctcccatg ttctgggaac  120
tacttccaga tgttcttgaa gcacttcctg ggtcaaagga ctctgctgct tccaggagct  180
ccatatcact tccttctttc tcaaaggact tctggaatag gtcgtagatc ttctgcggct  240

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ttgggtcctt gtagaggtaa tcagtggatt ctgtcatttc tgaaaaattg gtctcagaaa	300
gcccggcttc tgccagaact ttaatcttct cttgaatcag gggccaaagg tagtcatcag	360
ctgtgccctt tgccacgagg tagtgaatgc ccacggagct ggtctgtcca atgcggtgca	420
cgcggtcctc agcctggatc agcaccctg ggttccaaaa cagctcagca aacaccacca	480
ggtcaacca ngaaaangtg aagnccatat tggcagcggt gatggacagc acgggcacag	540
catgctttt	549

<210> 10067

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10067

ctttgagatg gagtttcaact gttgttgccc aggetggagt gcaatgccgc aatctcggct	60
cactgcaacc tctgccttct gagttcaagc gattctcctg cctcagcctc ccaagtagct	120
gggattacag gcatatgccca ccatgcctag ctaattttgt atttttggta gagacggggt	180
ttctccatgt tggtcaggct ggtcccgaac tctgacctc aggtgatcca cctgcctcgg	240
cctcccaaag tgctgtgatt acaggcgcga gccaccacgc ccagcctcaa tttaaccttc	300
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ccactccttc ctagttacct cccctacctt ggggtcctag ttggcaagga tctgccaaagt	420
ggtctggttc ttgaagaagg tggcgccaac acttttaaaa agaacctaat ggaaaacang	480
cttgggggtg ggaagggaaa gggttgatta ataatacaagt ttcctccaaa tagccggaat	540
ggaaagggtt tgg	553

<210> 10068

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10068

atgtttcaca atttgatgg ctgattctac gcacatttaa atgtgtttat gacaattgta	60
catttcagtt ttcctctggt taaaccaatg tggaagtaca caggatggga gctgagagac	120
aagcatcctg ggcccagcca tgctggcctc agtgggccaa gctggggaca gatgacctct	180
gctccgtgga tcctgctggc tcagggtggg gaaggggcct cagaagagga gtcaggctct	240
cctctttatt ctctcacag ccatggtgaa tggcattcct gggaggctgg tttggagaac	300
tcgctgaacc taagttagca ggaagtgaag gtctgttccc acctgtgcct gtgttcccag	360
atagcagctg cctccaggag actcaccagg agccaggctc ctccatacct gatctcaatt	420
aactcactca ccaaggagcc caggtcctn ccatacctga cctcaattaa acttaactta	480
cccaggagcc aaggtccctc cattacntn anttaccac aatcaagtnn ccttcanacc	540
ttatcttaat tan	553

<210> 10069

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10069

caagtttagg gatgtgctct atatttgcatt ttttctttt aaaaggcaca gtttttattt	60
taacgacgct gcattgctct ttgatgatga atctcaattc gactcctcaa actgtcaaca	120
ctcttggtat cctagattct agaaggggcc tcattctttg acttctttct atagagggcc	180
acatctaaag ctacagcact catttgaaa aggacactgg gatcaacacg taagcgttgc	240
aagcacaggg gccgcctctc ttgcagacag gtggccaaag cagggttgt gctggggccag	300
aagtggaagt aattcctcgc cagctacaca ttcagtctga ctggtggatg attgggagtg	360
ttgtccctc cctcccccaa taattgatgg ccttgagatc tgccagcatc tcaaaggcag	420
attcgtggct ctgttcccag acttaggtct cagttattta attggtaaat gacacaatca	480
aagagactca acacttaatt gggaatgctg attcaagtat ttcctgggct aactngtggg	540
agccataaat tgg	553

<210> 10070

<211> 504

<212> DNA

<213> Homo sapiens

<400> 10070

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gaatggaaga tattgcaaca ctgggcccac agatttttagc aatagcaaca ttgacaggga    60
gctgggttagc agttgccctc atctgatagc acatgcattt tctagctccc tcaagttctc    120
tctgctcact ttggtacctg cctggctttt atagacatca gagtttgaaa tctttttggt    180
tgtttggttg ttgagacag ggtctcactc tgttgcatag gctggagtgt agcggcctga    240
tcacggttca ctgcagcctc tacctcccag gctcccgaga tcctcccacc tcagcctccc    300
acctagctgg gaccacagcc atccaccacc ataccagct aactttttgt attttttgta    360
aagaccatgt ttcgtcatgt tgctcaagnt ggtctcgaac tcctgagctc aagcgatctg    420
cccacctggg cctcccaaag tgctgggatt acaggcgtga cccactgngc atgacctgaa    480
atnnttattt natngnnaa cttt                                           504

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<210> 10071

<211> 569

<212> DNA

<213> Homo sapiens

<400> 10071

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gttgctttcc cagactttta ttgaaatgt gactgctttg taaaactcca gagtcaagga    60
ctcataggca ggaggatgtc ataaattaac aggaaaggat gagaaatctc cactccactc    120
cctcctccct cccttgatca ctcatccct ctcttacatt cattaaccac ccactacatg    180
ccatgcccta aggaagcagc tatctaagaa gtccctgcct gcaggggctt tacagaccag    240
gaggaaggca acccatagag ccaggatcct gataaccact gctgactgcc cctctgccta    300
ggcaccagct aaggtggctc caaaaagtga ggccttgntg ggaaggggaa aaacagcaaa    360
ggtcagcttg gatgaacca tccagaattt tgcaatcaga aatacctana aaagaattat    420

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tttagaagaa cagggggatg ccagggcttg gggatgagga atgatgtttt cagtgcctaa 480
ggcccctgaa ngtcttggtc ttncitgctca aaaacgcaag gggggtccca ggttgccttt 540
tcanagcttg cctttaatnc tggcanttc 569

<210> 10072

<211> 570

<212> DNA

<213> Homo sapiens

<400> 10072

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ccctgactcc tgctacccaa gaaggccacc ctttcctgcc tgtgatactc cgtggcaict 120
gttctgccag aggactgacc ctttgtgtc cacaatgttt ttgccaggaa acacttatct 180
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cccttgcaact ttcatgcctg angctgactg gtggccaagt ctaaactgag ggncttccgg 540
anaccgagaa cccgccgaac ngccttggan 570

<210> 10073

<211> 564

<212> DNA

<213> Homo sapiens

<400> 10073

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ttacaggtgc ccaccaccac acccagctaa tttttgtatt tttagtagag acgggggttc 180
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tgcaatttat aagcatgtgt attagtttcc tattgctggt ataacaaatt actacaaact 360
 tagtggctta aaacaacaca gatgtgttgt cttacagttc tagaggttag ttctaaatag 420
 gtctcactga gctaaatcca cgggtgacgc agagctgtgt tctttcctag agcttctagg 480
 ggagaatctg gtttcctggc tttttccagc atctagcact ggcacanttc tttggcttgg 540
 ganccttggtc catnttaaatt tcat 564

<210> 10074

<211> 574

<212> DNA

<213> Homo sapiens

<400> 10074

aacaagtaaa tcattggctt tattctgggt cctggaagct ccactgtgag tctgaaaaaa 60
 agacagaaca ggggcggcag ccctgggggg tgggtgcagaa aatagtcctt ggctcctctg 120
 gccctgggag cctaaagggc agtgaggaga aggcttagca agaggcctgg agcaggggaa 180
 gtcaggctcc tcaggaaccc ctctccccc agaggaagga ggaagagggc tggagagtct 240
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 caaaagagga gcccgtggc gcctgactcg ctgtagctgt gctcgtgcg ggtgtcaccg 480
 tcatcccagc cacngctgna cgccccagtg acagtgtggc aacttgaagt cttcccgggt 540
 gcaaggctta ctttcagctt acagaactcg ggtn 574

<210> 10075

<211> 554

<212> DNA

<213> Homo sapiens

<400> 10075

agaaaataaa aactttat	ttttcaagtt tataagatag	ttcccattac atataacatt	60
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aatgcctttt cctgctaaca	gaggeatctg aagttcagag	ggagagtcgc attttaagta	180
aaagtcgtcc ttaatgggag	ggctcctgtc agtgcattag	gaactagcca aggagccttg	240
cttgccagag ctgtctgact	cagaggagag gaagggacag	atggcctgct gactggggct	300
gaggcagaac tagattttct	ctcttggtt ttaagatatt	ttagaatctc ggaattcaga	360
tcctatagtg ggaatatctg	gggagttcta acttctggat	gaaaaaggaa accaatttag	420
tggttaagaaa tagaagcctg	cttaagaggg accctaactg	cctccttgag gagtaaggag	480
tcagaggaag accctaagct	naccattcct tggnccaacc	attgntntac cccatacttc	540
tttccctggg ggtn			554

<210> 10076

<211> 540

<212> DNA

<213> Homo sapiens

<400> 10076

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tcggctcact gccagctcca	cctcccgggt tcacgccatt	ctcctgcctc agcctcctga	120
gtagctggga ctacagggat	ccaccaccat gcccgctaa	ttttttgtat tttttttagt	180
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tggctctttc tatgcacca	gttggtatgg caatttacct	atacctggca gacaaaagg	360
aagataactt ggggcctcgc	agctgtgcgc acccatgga	aaccaccaca cagcattttt	420
tttttttttt ggagacagag	tctcgttctg ttactcaggc	tggagtgcaa tgggtgtgatc	480
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<210> 10077

<211> 565

<212> DNA

<213> Homo sapiens

<400> 10077

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cacctaagtc tttatttatt tggctctagg aagaatttgc atgaaaatga gcctgtatgg   60
caggtacaga atgtactgta acagcaccag agaggtagat cctctctcct ctacagagcc  120
tcaatgttta atacatacat gtgacttttag tcataaaacc acatagtcca ggaaaaaagg  180
agcccttttag aaaaaaaaaa tcagttttaga atgactttca aattgaccat tccttttcaa  240
atacttaaat tcaaataaca gataattca gaggcccaaa tgttggcata gaataaaatc  300
atgttcattt atttttttct gcatcttaga attagaaggc ataaaattaa atatgttgaa  360
tgtaataaat tcatccatac aagtgcaggt ctccagatat aatgcatttt atggcagatt  420
tattatttta aaaatgtgcc agtaaatcaa aaaaagaggg agtatgncca tttaactttt  480
aatggaagng atgtaggagg cttcagaaat caaatgngag cntgaaaatt ggccaacctt  540
aaaactttca aatctgggna aagtg                                           565

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<210> 10078

<211> 499

<212> DNA

<213> Homo sapiens

<400> 10078

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agatgaaagg tcttactcac ttttcctggc tctttactcc tgggtgtggca ctatacaaag  180
ccatgacgtg gaaactgagt cacatactc ctagttgggc cactcaaaat aactcagatt  240
gccatccacc catctttttg gaaacgtaag ttccactaa atgttctatg tgggcacaga  300

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ccagtacaga gggaaacagg ttataattag ggagagctgt tgctcttgga accttctgga	360
ttttaatggc cccgagaaat caagtcaaaa caggcttcat gctgttgctg acttgccagc	420
cattgctgac ctaaaaatag angaaggggc cataaaccaa tntacatang tggcctntaa	480
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<210> 10079

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10079

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acagggtgtgt gccaccacac ccggctaatt ttgtatcttt tagtagagac ggggtttcac	180
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attgggatac aatattagtg cagataattt aactagagt catatttata tctgncacag	360
tattaaagta taccacatat gtatggactg ntagaagaaa ttcatttcat ttttaaaagc	420
aatggattgg ttaataaggt taagttcttt aacactttct ttaaaattcc tggcaagggt	480
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acnccccaaa atggtaagtt t	561

<210> 10080

<211> 556

<212> DNA

<213> Homo sapiens

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 gtgaagtcca ccagctnttt cacactgngc ttataagaac caaatctggc caatgtgacc 480
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<210> 10081

<211> 421

<212> DNA

<213> Homo sapiens

<400> 10081

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 agcttaaatt cttgttctga cccaagagcc ttgcaactgc ctcttctcc tgcctgctta 240
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<210> 10082

<211> 525

<212> DNA

<213> Homo sapiens

<400> 10082

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ggcacctgtg tgccagtgtg tccgtgctgg gggacgcctg tccaggtggt gagtggaaacg	180
gtgtgtgtgt gtgtctgtgt gcgcgtgtta acaagaaaaa cgaaccagaa aaggaagtgc	240
attttatccc actgcacatt gcaaaagtct cagccaaaaa aagctagact ttcctctatg	300
tatggcatca aaagggagta aaaaatgatt ggatcaccca gattataaat aagggtatgt	360
gnttctcaaa aatccttatt aaaacattaa atatcanctc ttttgggggg agaaatacat	420
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<210> 10083

<211> 552

<212> DNA

<213> Homo sapiens

<400> 10083

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gacacaggta aattgagggg agggtttctt ttttcttttt gtttttttga gccaaagtc	180
gtcctgaaa aaaaatgctt actgaggaaa ataaacacct cgagctcaag cagctctcag	240
gagtatgtag tccctgccct gaggccactt atcatctagt ttgagaagag acaggtacaa	300
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cctttaaaaa gg	552

<210> 10084

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10084

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tattctcaca gaagagctga acagacattc accaggatac gactgttgga ccagctgctg   180
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gtgtgattgt actgattttc atgagacaca agttacttct ttacatccat attcccaaag   360
cagggttaca tggtaggaaa gaaaggaaat tggaggtact aagctcattg ggnctcctct  420
agcttttacc agcatctaata gcttcactgn tttttttcca ttggagactt taatggcact   480
tggataaata catggagggtg gttttttcct caaaatggan taccccaatt aagactggga   540
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<210> 10085

<211> 549

<212> DNA

<213> Homo sapiens

<400> 10085

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tggtaaactct tttgaacttg cagtttagcc aatcctgaac tgттаатgta agaacaacag   180
atgtggttta ttactgngca taccgcctt tgttcagcca gaagatattc cagggc aaat   240
ctgttatcca agacagcatt ggctagggag tgcagggagg cttgatgtcc ttttatggct   300
ctgcctgtac tagttgccag tgtttcaagg gtttgaaagt ttctcaaagc tggctgacag   360
    
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<210> 10086

<211> 549

<212> DNA

<213> Homo sapiens

<400> 10086

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 tcctctgaag caagtggnet taaaaccacc ttntggcctt cccagctact tgggcatgct 480
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<210> 10087

<211> 551

<212> DNA

<213> Homo sapiens

<400> 10087

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特平 11-248036

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gcagccaggg gttaggcctg ggacctgcct gacaggatgt ttctcacagc tcaggccctg 240

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gaatggtttc ctggaagctt tggattataa cctggcaaaa ggtgaaatat attatcaatg 480
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aaggttaaat t 551

<210> 10088

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10088

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<212> DNA

<213> Homo sapiens

<400> 10089

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tacaggcatg caaccacacc tggctaattt ttgtattttt gtagagatgg ggttttgcca  180
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aatgtgccaa gagtgaacac tgtggactct ggttgatggt gatggatcaa tgcagtttca  420
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<210> 10090

<211> 470

<212> DNA

<213> Homo sapiens

<400> 10090

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aaagaaacac gtncaangcg ggtcattccc cttcagtgtc tatcacctan ttgagggatc  420
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